REPORT

Produced For Chatham County, GA

06.24.2026

moffatt & nichol

LARCHMONT-ENCLAVE DRAINAGE STUDY

Model Summary Report



Document Verification

Client	Chatham County Engineering Department
Project name	Larchmont-Enclave Drainage Study
Document title	Larchmont Model Summary Report
Status	Report
Date	06-24-2026
Project number	200639-01
File reference	200639-01_Larchmont-Enclave Drainage Study Report

Revision	Description	Issued by	Date	Checked
00	Report to Chatham County	Jared Bramblett, PE		Abby Jacobson, PE

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1. Executive Summary

Residents within the Larchmont Canal watershed have reported flooding following moderate rain events, particularly within the Enclave, Southbridge, and Berwick Lakes communities. In October 2024, Chatham County (the County) contracted Moffatt & Nichol (M&N) to evaluate existing drainage conditions and assess the efficacy of proposed improvements. This report summarizes the data, modeling methodology, results, and recommendations from that effort.

The Larchmont watershed encompasses approximately 2,800 acres of developed residential land, marsh, and wooded area in western Chatham County. The basin drains southward through the Larchmont Canal, ultimately discharging through a quadruple 4-ft by 8-ft box culvert at US Highway 17 into the tidally influenced Little Ogeechee River system. The terrain is generally flat, with slopes ranging from 0% to 2%, and soils are predominantly hydrologic soil group C and D, conditions that limit infiltration and produce relatively high runoff volumes during storm events.

M&N developed a joint one-dimensional and two-dimensional (1D-2D) model using ICPR v7.04.08, using as-built infrastructure data, field surveys, LiDAR topography, and County water sensor records. Existing conditions modeling confirmed flood concerns in several areas during the 10-year storm event, including the Enclave Way corridor, portions of Quacco Road, and the Berwick Lakes subdivision. The US-17 outfall culvert is adequately sized for the 10-year storm under existing tidal conditions.

Three (3) primary contributing factors to flooding were identified: non-uniform cross-section geometry and inconsistent longitudinal slope within the Larchmont Canal potentially exacerbated by beaver dams, a poorly-defined channel reach between Enclave Way and the downstream canal junction that causes flow to disperse into the neighborhoods, and restricted conveyance at the existing triple 36-inch culvert crossing at Enclave Way.

Three (3) improvement scenarios were evaluated at the 10-year and 100-year design events. Based on modeling results, M&N recommends channel improvements as the near-term priority action. These represent a cost-effective investment with demonstrable flood stage reductions and no adverse downstream impacts. Replacement or upsizing of the Enclave Way culvert is not recommended as a stand-alone improvement given the limited benefit relative to cost and permitting effort; however, it may be reconsidered as part of a broader future improvement package if downstream capacity constraints are resolved.

Additionally, M&N recommends the following for future study: a targeted hydraulic analysis of the Berwick Lakes area to characterize its connectivity with the adjacent Hardin Canal watershed, which experienced severe staging in all modeled scenarios and was not fully resolved within this study's scope; evaluation of retrofit outlet control structures for key detention ponds throughout the watershed which currently rely on simple weir outfalls and may be contributing to elevated flood stages, and model updates following completion of the Quacco Road Improvements project to confirm flood stage reductions in that corridor.

2. Introduction

The Larchmont watershed, shown in Figure 1, is comprised of approximately 2,800 acres of developed (primarily residential) land, marsh, and wooded area in Chatham County. Historically, rice farming was performed in what is now the primary channel and floodplain. The terrain is generally flat with slopes ranging from 0% to 2%. The basin is part of the larger Little Ogeechee River basin, which is tidally influenced.



FIGURE 1: LARCHMONT BASIN

Residents within the watershed, particularly within the Enclave, Southbridge, and Berwick Lakes communities have notified the County of flooding concerns. The County has indicated that beaver activity has been observed, which may be further impeding flow to the primary canal. No comprehensive modeling of the watershed had been previously conducted.

In October 2024, the County contracted M&N to model existing conditions and concepts for future improvements to reduce flood stages during storm events. The objective of this report is to summarize the input data used to develop the drainage models, summarize modeling methodology and results, and recommend areas of priority for future improvements.

3. Data Review

M&N reviewed the following data to develop the Existing Conditions model inputs.

TABLE 1 EXISTING MODEL DATA SOURCES

Data	Source	Model Application
Master As-builts CAD File	Chatham County Dept of Engineering	Development culverts, outfall control structure, weir, and channel/canal characteristics
Development as-builts and plans (PDFs)	Chatham County Dept of Engineering	Development culvert, outfall control structure, weir, and channel/canal characteristics, supplement to CAD File
Survey	Coleman Company, April 2025	Primary culvert characteristics (road-canal and I-95 crossings)
Water Sensor Data, various locations	Chatham County Dept of Engineering	Tailwater condition validation and model staging validation (Sensors placed by the County at incremental locations in coordination with M&N recommendations)
Hydrologic/Hydraulic Study of Impacts of Proposed Improvements at Salt Creek Mitigation Bank Bill Nicholson, PE Sept 2016 (report)	Chatham County Dept of Engineering	Tailwater condition, general reference for basin characteristics
NOAA LiDAR 2018 DEM	NOAA Digital Coast Data Access Viewer	Terrain information for 2D portion of model

Where discrepancies were present amongst various data sources, M&N deferred to the most recent data, and made assumptions with engineering judgment.

4. Methodology

- In consultation with the County, the modeling software ICPR v7.04.08 was selected due to its 1D-2D capabilities and availability of use within the department.
- Overall watershed boundary delineation was conducted in ArcGIS Pro. Geospatial processes were run to identify rough watershed boundaries, which were then refined through meetings with the County and review of as-built information and surveys. This informed the exclusion/inclusion of select areas around the perimeter. Of note, the Waterford Subdivision development, shown on Figure 1 above, was initially included within the watershed boundary. The LiDAR of previously wooded area in this location showed connectivity to the canal. Development plans, however, indicated a proposed drainage outfall to the north, away from the Larchmont Canal. Modeling of connectivity between watersheds in this area was excluded from M&N's scope.

4.1. Basin Characteristics

- Soil data was extracted from the USDA Web Soil Survey. The watershed's soils are primarily classified as hydrologic soil group 'HSG' of C, C/D, or D. Where soils had dual properties for 'drained' and 'undrained' conditions, soil was assumed to be undrained (HSG D) for conservatism within the model.
- Land cover data was extracted from the National Land Cover Database. Approximately half of the basin's land cover consists of woody and emergent herbaceous wetlands. One-third of the area ranges from low to high-intensity development. The remaining land consists of developed open space (grass), and evergreen and mixed forest.
- Time of concentration for the 1D basin areas was calculated using the lag method. Time of concentration for each 1D basin is included in Appendix A.
- ICPR generated composite Curve Numbers for each subbasin with a lookup table using land cover and soil data. The table is included within the 'Basin Max' report of Appendix B.

For the scope of the study, developed and higher elevation areas considered of low flooding concern were delineated into subbasins and modeled as 1D 'manual basins'. Larger neighborhoods, including the Enclave and Southbridge were further subdivided to a level of detail to more accurately represent flow contributions and timing at each primary (downstream-most) outfall. Enhanced methods with 2D overland flow regions were required where limited or no drainage infrastructure was/is present and topography is flat, including around the Larchmont Canal, upstream both to the north and northwest to Enclave Way, and further upstream of Enclave Way to Interstate 95. The low-lying areas where Quacco Road crosses over I-95 were also modeled with 2D overland flow regions. Discussions with the County indicated there was historically a creek flowing through the area between I-95 and the Willow Lakes development, which has since been filled in sections. Traces of this creek are visible in the 2019 LiDAR ground surface. Select drainage components in the Quacco Road Improvements project were incorporated in the model, further discussed in Section 5 below.

4.2. Tailwater Conditions

The primary outfall location for the watershed is the Larchmont Canal crossing at Ogeechee Road/US Highway 17. The existing structure at this location is a quadruple 4-ft by 8-ft box culvert. Tidal data to establish a boundary condition was sourced from the "Hydrologic/Hydraulic Study of Impacts of Proposed Improvements at Salt Creek Mitigation Bank" Bill Nicholson, PE Sept 2016 Tidal Data (report). Mean Sea Level elevations were converted to North American Vertical Datum of 1988 (NAVD88) for the purposes of this model. See Table 2 below. Ground and water surface elevations reported throughout are ft NAVD88 datum (ft) unless otherwise noted.

TABLE 2 LARCHMONT CANAL @ US-17 TIDE ELEVATIONS

	Normal Tide Elevation		Super Tide Elevation	
Time (hr)	(ft MSL)	(ft NAVD88)	(ft MSL)	(ft NAVD88)
0	-3	-2.77	-4	-3.77
6	4.5	4.73	6	6.23
12	-3	-2.77	-4	-3.77
18	4.5	4.73	6	6.23
24	-3	-2.77	-4	-3.77
30	4.5	4.73	5	5.23
36	-3	-2.77	-3	-2.77
42	4.5	4.73	5	5.23
48	-3	-2.77	-3	-2.77

The downstream end of the culvert is modeled as node LAR000000. For conservatism within the model, the node's boundary stage was set such that high tide occurs near the culvert hydrograph's peak, around hour 18 in a 24-hour storm event.

Two (2) additional secondary outfalls were identified at Quacco Road Northwest of the I-95 overpass. These culverts contribute to the adjacent southwest watershed. Assumed tailwater elevations were input such that each culvert is flowing full at the peak of the storm event.

5. Existing Conditions Model

The joint 1D-2D approach described above guided the existing conditions model development. The appropriate level of detail for subbasin delineation includes primary storage and conveyance infrastructure, generally excluding the minor pipe systems of each development. Where there were interconnected ponds within a development, stage-storage data for each pond was combined. Exceptions were made where large ponds were connected but varied in normal pool elevations, such as within basins LAR008000 and LAR007900. A standard weir structure was used to represent pond outlet control structures. Weirs were assumed to be 3-foot rectangular weirs at the pond's top of bank elevation. Detailed outlet control modeling was outside the scope of this model. Refer to Appendix A for existing conditions model inputs.

The existing conditions model was refined through review of as-builts and milestone meetings with the County. Areas of higher concern for flooding were increased in level of detail. A summary of refinements to the existing model development:

- No surface connectivity was modeled with Hardin Canal per County discussion. This established the northern watershed boundary at the proposed 'Waterford Subdivision' development.
- M&N observed severe staging in the Berwick Lakes subdivision which prompted further analysis of hydraulics in the northwest portion of the watershed. Two (2) additional outfall locations were identified across Quacco Road north of I-95, modeled as nodes LAR010300 and LAR010800. Pipes were verified with aerial imagery, and sizes and invert elevations were assumed from LiDAR. Additional analysis of more recent Berwick Lakes development showed connectivity to the Hardin Canal, and therefore those basins were removed from the Larchmont model.
- Initially, standard trapezoidal cross-sections were used to represent the Larchmont Canal and its tributaries. These were replaced with cross sections extracted from LiDAR to better represent flow conditions in the existing channels.
- Further evaluation of the 2D mesh prompted the expansion of the 2D area to include adjacent Southbridge and Enclave detention ponds. Initially, the low-lying detention ponds were included in the 1D basins, but migrated to the 2D mesh for enhanced analysis.
- Select drainage infrastructure from the Quacco Road Improvements project was incorporated into the model, including a dual 48-inch pipe system which flows southeast to a branch of the Larchmont Canal, as well as pond improvements within Laurel Oaks subdivision. Note that there are additional outfall locations and surface connectivity in this corridor not totally represented in the model due to scope limitations. Flood elevations in this corridor are a conservative representation of flood conditions.

Note that the attached maps include results of the refined existing conditions models.

5.1. Model Results

Complete model results for 1D Basins, Nodes, and Links are included in Appendix B. Inundations maps are included in Appendix C. M&N identified the following areas of concern in the 10-year existing conditions event.

- Goodale Dr and Pink Dogwood Dr (Basins LAR003400)
- Quacco Trail (LAR004000)
- Enclave Way at Berwick Blvd (LAR007100)
- Enclave Way (Basins LAR007000 and LAR006800)
- Berwick Lakes (Basin LAR009900 and LAR01000)
- Quacco Road (LAR010400, LAR 010500, LAR010600)

These areas aligned with anecdotal flooding information provided by the County. Significant difference in inundation depth upstream and downstream of Enclave Way suggested that the existing culverts may be

undersized. However, no overtopping of Enclave Way occurred during the simulated 10-year storm event. The model shows encroachment onto the upstream (westbound lane) roadway shoulder in the 100-year event. Results are summarized in the table below.

Model results indicate that the outfall culvert at US-17 has adequate capacity to convey the 10-year storm event. Node LAR000100 represents the upstream entrance to the culvert. When the normal high tide occurs at the culvert's peak flow, the maximum stage at node LAR000100 is 5.06 ft. This does not encroach upon the US-17 roadway shoulder at elevation 6.00 ft. Table 3 below summarizes peak stage elevations at primary culvert crossings in the watershed.

TABLE 3 ROAD-CULVERT CROSSING STAGE ELEVATIONS

Road Name	Roadway Elevation (ft)	Node Name	10-year Max Stage (ft)	100-year Max Stage (ft)
US-17 / Ogeechee Rd (Outfall)	6.54	LAR000100	5.06	6.18
Enclave Way	11.60	LAR002800	9.41	10.72
Quacco Rd	10.20	LAR003300	9.07	10.64
Berwick Blvd @ Olde Towne at Berwick	11.43	LAR005000	7.91	9.83
Berwick Blvd @ Double 6x6 Box Culvert	12.92	LAR001100	9.36	10.51
I-95 @ Mile 97.5	20.5	LAR011500	12.4 (approx.)	12.5 (approx.)
I-95 @ Mile 97	20.2	LAR004500	14.5 (approx.)	14.7 (approx.)

Roadway elevations noted above reflect approximate edge of pavement elevation at roadway shoulder. Based on the model results, no roadways are encroached upon in the 10-year simulation. The existing Quacco Road is encroached upon in the 100-year simulation. It is not completely overtopped, however, as the stage remains below the roadway crown elevation. Note that detailed modeling of the Quacco Road drainage system was outside the scope of this study. Elements such as the intermediate wetland outfalls were not included. Inundation of the roadway and adjacent communities is expected to be reduced by the Quacco Road Improvements project, which raises the roadway profile in this area. This area was not prioritized for further improvements evaluation within this study. Proposed improvements modeling prioritized the central canal area and adjacent communities including The Enclave and Southbridge, as discussed below.

6. Proposed Improvements Models

M&N's objective while modeling proposed improvements was to reduce flooding in the areas of concern without increasing downstream impacts within the basin or beyond the US-17 outfall. The 10-year event was identified as the target event. M&N developed multiple scenarios, of which three (3) representative models are discussed in this report.

6.1. Model A

The initial approach was to identify base level improvements, including work within the scope of maintenance activity, to improve flow conditions. M&N noted the inconsistent cross section geometry and channel slope in the existing canal as possible sources of flow obstruction, as well as an effectively 'dead end' channel at node LAR002300. In the existing model, flow is inconsistent in adjacent 1D channel segments, where one would expect steady or incrementally increasing flow. The flow decrease observed between links LAR002300 and LAR002200, shown in Table 4, represents flow being 'lost' to the 2D overland flow area when the shallow, poorly-defined channel exceeds capacity.

TABLE 4 EXISTING CONDITIONS 10-YEAR LINK MAX, SELECT CHANNELS

Link Name	Max Flow (cfs)
LAR002300	53.58
LAR002200	29.00
LAR002100	63.39

In Model A, M&N standardized the channel cross section from the US-17 crossing (Node LAR000100) upstream to Enclave Way (Node LAR002600) and defined a deeper channel through the existing low-lying area where a distinguishable channel is not present, between nodes LAR002000 and LAR002300. A 10-foot channel bottom with 3:1 side slopes was set at each cross section. A uniform longitudinal slope was set from LAR002700 and LAR000100 at 0.70%, with the upstream and downstream inverts set to match adjacent culvert inverts, respectively. No changes were made to Manning's n values. Complete model inputs are included in Appendix D.

The scenario reduced stages in the perimeter ponds and canal nodes downstream of Enclave Way as shown in Table 5 below. Varied results occurred upstream of Enclave Way, with a combination of slight increases and decreases in peak stage. Where increases in inundation depths were observed upstream of Enclave Way in the 10-year event, they were less than 0.1 ft, considered negligible. For both 10-year and 100-year storms, the scenario also marginally decreased peak outflow at the US-17 culvert; refer to Table 8 in Section 6.4. By dropping the hydraulic grade line, this effectively increased the high tide tailwater condition relative to the canal outflow.1D model results are included in Appendix E. Inundation maps and 10-year depth comparison maps are included in Appendix F. If this option is pursued, note that beaver dam maintenance and control practices will need to be considered.

TABLE 5 MODEL A, SELECT NODE COMPARISON

Node		10-year Max Stage	
Location	Name	Existing	Model A
Canal Outfall	LAR000100	5.06	4.88
Canal Junction	LAR000600	7.53	6.31
Canal	LAR002400	7.41	7.20
Pond	LAR006600	9.38	9.34
Pond	LAR006700	8.06	7.91

6.2. Model B

While Model A resulted in noticeable reductions in inundation downstream, the minimal change observed upstream of Enclave Way led to evaluating more substantial improvements. The Model B scenario included Model A channel improvements with an increased culvert at the primary Enclave Way crossing. The intent was to increase conveyance beneath Enclave Way and allow the adjacent neighborhoods to drain more effectively. The existing triple 36-inch culverts were increased to a double 10-ft by 4-ft box culvert with the same length and inverts for each. M&N evaluated between one (1) and three (3) parallel box culverts of the same size, and found the double culvert optimized stage reductions upstream of the crossing. A third box culvert offered little improvement over the second. Model inputs are included in Appendix D.

This scenario showed reduced staging in nodes LAR002900 and LAR002800 directly upstream of Enclave Way, while generally maintaining the downstream depth reductions observed in Model A. However, no discernible impact was observed on the pond staging in the Enclave and Southbridge, summarized in the table below. No discernible stage increases downstream were observed in the 10-year scenario compared to existing conditions. 1D model results are included in Appendix E. Inundation maps and 10-year depth comparison maps are included in Appendix F.

TABLE 6 MODEL B, SELECT NODE COMPARISON

Node		10-year Max Stage	
Location	Name	Existing	Model B
Canal	LAR000100	5.06	4.90
Canal Junction	LAR000600	7.53	6.35
Canal	LAR002400	7.41	7.30
Pond	LAR006600	9.38	9.34
Pond	LAR006700	8.06	8.00
Canal	LAR002800	9.41	8.61
Canal	LAR002900	9.49	9.12
Pond	LAR007900	9.67	9.66
Pond	LAR008400	10.64	10.66

6.3. Model C

Model B reduced staging in the low-lying area, but still did not achieve target reductions in the adjacent neighborhoods and ponds. Therefore, Model C included both Model A and B improvements and added channel refinement and definition upstream of the Enclave Way culverts. Channel improvements continued upstream to the intersection of pond nodes LAR011600 and LAR008400 outfalls, with lateral channels extending to those ponds. This scenario also includes a lateral channel to pond node LAR007900. Proposed channel slopes upstream of Enclave Way were modeled at 0.05%. Model inputs are included in Appendix D.

This scenario showed reduced depths in the 2D overland flow region upstream of Enclave Way in the extents of the proposed channel extension. Depth reductions also occurred upstream west of I-95. Flow and stage increases downstream were observed in nodes LAR002000, LAR002200, LAR002600 and LAR002700. 1D model results are included in Appendix E. Inundation maps and 10-year depth comparison maps are included in Appendix F.

TABLE 7 MODEL C, SELECT NODE COMPARISON

Node		10-year Max Stage	
Location	Name	Existing	Model C
Canal	LAR000100	5.06	4.92
Canal Junction	LAR000600	7.53	6.39
Canal	LAR002400	7.41	7.38
Pond	LAR006600	9.38	9.37
Pond	LAR006700	8.06	8.05
Canal	LAR002800	9.41	8.71
Canal	LAR002900	9.49	9.10
Pond	LAR007900	9.67	9.54
Pond	LAR008400	10.64	10.62
Pond	LAR011600	10.41	10.35

6.4. Results Summary

TABLE 8 PEAK OUTFLOW COMPARISON, US-17 CROSSING

	Max Outflow Link LAR000100 (cfs)			
	Existing	Proposed A	Proposed B	Proposed C
10-year	881.32	846.81	873.74	896.43
100-year	1503.32	1493.8	1534.24	1544.3

TABLE 9 PEAK OUTFLOW COMPARISON, ENCLAVE WAY PRIMARY CROSSING

	Max Outflow Link LAR002650 (cfs)			
	Existing	Proposed A	Proposed B	Proposed C
10-year	155.93	155.09	261.03	284.82
100-year	197.85	196.17	458.95	490.57

TABLE 10 ENCLAVE AND SOUTHBRIDGE NODE MAX COMPARISON

Location	Node	10-year Node Max (ft)			
		Existing	Proposed A	Proposed B	Proposed C
Enclave	LAR006700	8.06	7.91	8.00	8.05
	LAR006800	10.14	10.07	10.08	10.11
	LAR007900	9.67	9.66	9.66	9.54
	LAR008000	11.16	11.16	11.18	11.04
	LAR008500	11.12	11.11	11.08	11.08
	LAR008600	12.14	12.14	12.17	12.18
	LAR009000	12.83	12.83	12.88	12.88
Southbridge	LAR006600	9.38	9.34	9.34	9.37
	LAR007100	14.44	14.44	14.44	14.44
	LAR008400	10.64	10.64	10.66	10.62
	LAR008700	10.73	10.74	10.73	10.71

7. Conclusion and Recommendations

Moffatt & Nichol evaluated existing drainage conditions within the Larchmont Canal watershed using a joint 1D-2D ICPR model and assessed three (3) proposed improvement scenarios to reduce flood stages during the 10-year design event. Findings are summarized below alongside recommendations for phased implementation and future study.

7.1. Existing Conditions

Existing conditions modeling confirmed nuisance flooding patterns reported by residents within the Enclave, Southbridge, and Berwick Lakes communities. Primary contributing factors include non-uniform cross-section geometry and poor longitudinal slope consistency within the Larchmont Canal, a poorly-defined channel reach between Enclave Way and the canal junction, and restricted conveyance at the Enclave Way culvert crossing. Although the existing triple 36-inch culverts at Enclave Way do not cause roadway overtopping during the 10-year event, significant staging differences upstream and downstream of the crossing indicate a hydraulic bottleneck that contributes to elevated flood conditions in the adjacent residential ponds and overland flow areas. The US-17 outfall culvert performs adequately for the 10-year storm under modeled tidal conditions.

7.2. Modeled Improvements

Three (3) improvement scenarios were evaluated at the 10-year and 100-year design events:

Model A – Channel Grading and Slope Modifications

Standardizing the Larchmont Canal cross-section geometry from US-17 upstream to Enclave Way and defining a channel through the currently undefined reach between nodes LAR002000 and LAR002300 produced meaningful stage reductions downstream of Enclave Way with no adverse downstream impacts. The canal junction node (LAR000600) decreased from 7.53 ft to 6.31 ft in the 10-year event, and peak outflow at US-17 was marginally reduced. Stage increases upstream of Enclave Way were negligible (less than 0.1 ft). These improvements are within the scale of routine maintenance and capital improvement activity, though permitting would be required for the channel grading work between LAR002300 and LAR002000. M&N recommends Model A improvements as a near-term priority.

Model B – Enlarged Enclave Way Culverts

Replacing the existing triple 36-inch culverts at Enclave Way with a double 10-ft by 4-ft box culvert increased conveyance through the crossing and reduced stages immediately upstream (LAR002800 decreased from 9.41 ft to 8.61 ft; LAR002900 from 9.49 ft to 9.12 ft). However, this scenario produced no discernible improvement in pond staging within the Enclave and Southbridge communities, and peak outflow at US-17 marginally increased relative to Model A in the 100-year event. Based on these results, M&N does not recommend the Enclave Way culvert replacement as a stand-alone improvement, as the cost and permitting effort are not commensurate with the flood stage reduction achieved at the neighborhood level.

Model C – Extended Channel Improvements Upstream of Enclave Way

Model C added lateral channel connections to upstream detention ponds and extended channel improvements beyond Enclave Way. This scenario produced modest additional stage reductions in select upstream ponds (LAR007900 decreased to 9.54 ft; LAR011600 to 10.35 ft), and resulted in reduced overland flow depths in the 2D mesh area upstream of Enclave Way. However, Model C increased peak outflow at the US-17 outfall compared to existing conditions for both the 10-year (896 cfs vs. 881 cfs) and 100-year (1,544 cfs vs. 1,503 cfs) events, and elevated stages at several downstream canal nodes. These tradeoffs should be carefully weighed before advancing Model C improvements to design, and downstream hydraulic impacts would need to be confirmed with the adjoining Little Ogeechee River basin model.

7.3. Future Study Recommendation

The following areas warrant further investigation beyond the scope of this study:

Pond Outlet Control Structure Modifications

The majority of detention ponds within the watershed discharge via simple weir structures, which allows ponds to intake stormwater during high tailwater conditions rather than conveying it efficiently to the canal. Ponds with formal control structures appear to experience comparatively lower inundation across modeled storm events. M&N recommends a future study to evaluate retrofitting key ponds with controlled outlet structures, which could provide incremental flood stage reductions throughout the watershed without increasing downstream peak flows.

Berwick Lakes Watershed Connectivity

Berwick Lakes experienced severe staging in all modeled scenarios that was not fully resolved through the improvements evaluated here. As-built data indicates likely surface connectivity with the Hardin Canal watershed, which was outside the scope of this study. M&N recommends that a dedicated hydrologic and hydraulic analysis of the Berwick Lakes area be conducted to characterize watershed boundaries, confirm connectivity with the Hardin Canal system, and evaluate targeted drainage improvements for this community.

Quacco Road Corridor

The Quacco Road corridor exhibits encroachment during the 100-year event and contains additional intermediate wetland outfalls and surface connectivity not fully represented in this model. The Quacco Road Improvements project is anticipated to raise the roadway profile and reduce inundation in this area. M&N recommends revisiting the Quacco Road drainage system within the Larchmont model following project completion to confirm updated flood conditions.

Waterford Subdivision Connectivity

The Waterford Subdivision development was excluded from the model per County direction, as proposed plans indicated drainage to the north. Upon completion of development, M&N recommends confirming that drainage from this area does not contribute to the Larchmont Canal system and updating the model accordingly if connectivity is observed.

8. List of Appendices

- Appendix A: Existing Conditions Model Inputs
- Appendix B: Existing Conditions Model Result Reports (1D)
- Appendix C: Existing Conditions Model Results Maps
- Appendix D: Proposed Improvements Models Inputs
- Appendix E: Proposed Improvements Models Result Reports (1D)
- Appendix F: Proposed Improvements Models Results Maps

Appendix C. Existing Conditions Model Results Maps

Manual Basin: LAR000300

Scenario: LAR_Exist_NormalTide
Node: LAR000300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 163.3613 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2851	23	D	Scsiii		
75.7204	22	D	Scsiii		
13.0825	90	D	Scsiii		
29.8628	21	D	Scsiii		
0.2223	24	D	Scsiii		
24.9253	42	D	Scsiii		
0.5063	90	C	Scsiii		
6.9631	22	C	Scsiii		
5.1646	21	C	Scsiii		
0.6288	42	C	Scsiii		
0.0001	95	D	Scsiii		

Comment:

Manual Basin: LAR000400

Scenario: LAR_Exist_NormalTide
Node: LAR000400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 7.8410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0321	42	D	Scsiii		
1.3306	22	D	Scsiii		
1.3304	90	D	Scsiii		
0.4118	90	C	Scsiii		
0.6514	21	C	Scsiii		
0.0077	21	D	Scsiii		
3.7570	22	C	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2886	23	C	Scsiii		
0.0315	23	D	Scsiii		

Comment:

Manual Basin: LAR000900

Scenario: LAR_Exist_NormalTide
Node: LAR000900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 22.8316 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
1.5744	21	D	Scsiii		
1.3762	23	D	Scsiii		
8.3478	22	D	Scsiii		
8.0848	90	D	Scsiii		
0.0030	11	D	Scsiii		
0.0002	95	D	Scsiii		
0.4257	42	D	Scsiii		

Comment:

Manual Basin: LAR001000

Scenario: LAR_Exist_NormalTide
Node: LAR001000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 9.1192 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
0.2260	21	D	Scsiii		
0.0876	23	D	Scsiii		
0.5744	22	D	Scsiii		
5.2117	90	D	Scsiii		

Comment:

Manual Basin: LAR001100

Scenario: LAR_Exist_NormalTide
Node: LAR001100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 11.0296 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4499	23	C	Scsiii		
2.9701	22	C	Scsiii		
1.0714	23	D	Scsiii		
6.3371	22	D	Scsiii		
0.1008	21	C	Scsiii		
0.1002	21	D	Scsiii		

Comment:

Manual Basin: LAR001200

Scenario: LAR_Exist_NormalTide
Node: LAR001200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0

Area: 3.3367 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2365	23	D	Scsiii		
1.1542	22	D	Scsiii		
1.9460	90	D	Scsiii		

Comment:

Manual Basin: LAR001300

Scenario: LAR_Exist_NormalTide
Node: LAR001300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.9971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1879	90	D	Scsiii		
2.7539	22	D	Scsiii		
0.5321	21	D	Scsiii		
0.1880	23	D	Scsiii		
0.3351	42	D	Scsiii		

Comment:

Manual Basin: LAR001400

Scenario: LAR_Exist_NormalTide
Node: LAR001400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.2245 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1931	22	D	Scsiii		
0.1843	23	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8472	90	D	Scsiii		

Comment:

Manual Basin: LAR001600

Scenario: LAR_Exist_NormalTide
Node: LAR001600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 46.3324 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.4784	23	D	Scsiii		
4.3291	22	D	Scsiii		
1.3472	24	D	Scsiii		
17.4052	21	D	Scsiii		
15.5166	90	D	Scsiii		
0.2224	95	D	Scsiii		
0.0335	42	D	Scsiii		

Comment:

Manual Basin: LAR001900

Scenario: LAR_Exist_NormalTide
Node: LAR001900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.0731 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1687	23	D	Scsiii		
9.1291	22	D	Scsiii		
1.3803	90	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1472	21	D	Scsiii		
0.2478	42	D	Scsiii		

Comment:

Manual Basin: LAR003200

Scenario: LAR_Exist_NormalTide
Node: LAR003200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 99.3220 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
55.4221	22	D	Scsiii		
8.7806	21	D	Scsiii		
3.9251	90	D	Scsiii		
12.3228	42	D	Scsiii		
9.2042	43	D	Scsiii		
1.5175	22	C	Scsiii		
0.1644	21	C	Scsiii		
0.0065	52	D	Scsiii		
7.9788	23	D	Scsiii		

Comment:

Manual Basin: LAR003300

Scenario: LAR_Exist_NormalTide
Node: LAR003300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 55.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 56.1169 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9746	22	D	Scsiii		
3.8342	21	D	Scsiii		
27.4673	81	D	Scsiii		
15.5886	42	D	Scsiii		
7.0299	90	D	Scsiii		
0.2223	82	D	Scsiii		

Comment:

Manual Basin: LAR003400

Scenario: LAR_Exist_NormalTide
Node: LAR003400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 58.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 74.7372 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.9253	90	D	Scsiii		
25.4688	22	D	Scsiii		
17.6413	23	D	Scsiii		
5.6667	21	D	Scsiii		
0.1605	21	C	Scsiii		
4.3785	22	C	Scsiii		
0.0100	90	C	Scsiii		
2.2847	23	C	Scsiii		
0.2013	42	D	Scsiii		

Comment:

Manual Basin: LAR003800

Scenario: LAR_Exist_NormalTide
Node: LAR003800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323

Peaking Factor: 323.0
Area: 35.8661 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.2078	22	D	Scsiii		
5.8082	21	D	Scsiii		
19.4712	23	D	Scsiii		
0.3788	42	D	Scsiii		

Comment:

Manual Basin: LAR004000

Scenario: LAR_Exist_NormalTide
Node: LAR004000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 87.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 41.4050 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4907	22	D	Scsiii		
13.0903	21	D	Scsiii		
11.7169	42	D	Scsiii		
10.8848	90	D	Scsiii		
0.2223	81	D	Scsiii		

Comment:

Manual Basin: LAR004300

Scenario: LAR_Exist_NormalTide
Node: LAR004300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 48.8051 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3341	42	D	Scsiii		
15.1149	22	D	Scsiii		
32.8312	23	D	Scsiii		
0.0938	90	D	Scsiii		
0.4312	21	D	Scsiii		

Comment:

Manual Basin: LAR004600

Scenario: LAR_Exist_NormalTide
Node: LAR004600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.1813 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5107	23	D	Scsiii		
0.7369	22	D	Scsiii		
0.0876	21	D	Scsiii		
12.0156	23	C	Scsiii		
0.0748	90	D	Scsiii		
2.4910	22	C	Scsiii		
0.2647	24	C	Scsiii		

Comment:

Manual Basin: LAR004700

Scenario: LAR_Exist_NormalTide
Node: LAR004700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 27.8217 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
16.8365	23	C	Scsiii		
1.0104	24	C	Scsiii		
5.0449	22	C	Scsiii		
1.2811	90	D	Scsiii		
0.6893	90	C	Scsiii		
1.2265	23	D	Scsiii		
1.0517	22	D	Scsiii		
0.6222	21	C	Scsiii		
0.0591	24	D	Scsiii		

Comment:

Manual Basin: LAR004900

Scenario: LAR_Exist_NormalTide
Node: LAR004900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.1680 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2073	23	D	Scsiii		
0.7258	22	D	Scsiii		
0.1251	22	C	Scsiii		
0.1098	23	C	Scsiii		

Comment:

Manual Basin: LAR005000

Scenario: LAR_Exist_NormalTide
Node: LAR005000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.0436 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7689	23	D	Scsiii		
1.0343	22	D	Scsiii		
0.1478	23	C	Scsiii		
0.0926	22	C	Scsiii		

Comment:

Manual Basin: LAR005100

Scenario: LAR_Exist_NormalTide
Node: LAR005100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 32.1432 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
22.4288	23	D	Scsiii		
2.5371	24	D	Scsiii		
3.0359	22	D	Scsiii		
2.8111	23	C	Scsiii		
1.1333	22	C	Scsiii		
0.1970	90	D	Scsiii		

Comment:

Manual Basin: LAR005200

Scenario: LAR_Exist_NormalTide
Node: LAR005200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.7721 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6729	23	C	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7098	22	C	Scsiii		
1.5514	23	D	Scsiii		
0.3037	22	D	Scsiii		
0.3429	24	D	Scsiii		
0.1913	24	C	Scsiii		

Comment:

Manual Basin: LAR005300

Scenario: LAR_Exist_NormalTide
Node: LAR005300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 28.1912 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1596	24	D	Scsiii		
10.5503	23	D	Scsiii		
0.5029	22	C	Scsiii		
0.9722	23	C	Scsiii		
3.9485	22	D	Scsiii		
0.2231	24	C	Scsiii		
1.1122	21	D	Scsiii		
1.7225	90	D	Scsiii		

Comment:

Manual Basin: LAR005500

Scenario: LAR_Exist_NormalTide
Node: LAR005500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.4457 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9794	90	D	Scsiii		
0.0059	21	D	Scsiii		
1.6456	21	C	Scsiii		
1.9226	90	C	Scsiii		
6.9775	23	C	Scsiii		
9.5938	22	C	Scsiii		
0.1904	22	D	Scsiii		
0.8895	11	D	Scsiii		
0.9725	95	D	Scsiii		
0.0459	95	C	Scsiii		
0.2225	42	C	Scsiii		

Comment:

Manual Basin: LAR005600

Scenario: LAR_Exist_NormalTide
Node: LAR005600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.4929 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4244	22	D	Scsiii		
0.9347	22	C	Scsiii		
2.1199	23	C	Scsiii		
0.0518	90	C	Scsiii		
0.1821	42	C	Scsiii		
0.3861	21	C	Scsiii		
2.5705	23	D	Scsiii		
3.6010	90	D	Scsiii		
0.2224	21	D	Scsiii		

Comment:

Manual Basin: LAR005700

Scenario: LAR_Exist_NormalTide
Node: LAR005700
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 35.2081 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7624	90	D	Scsiii		
1.9608	11	D	Scsiii		
1.2221	95	D	Scsiii		
19.1197	23	D	Scsiii		
12.1244	22	D	Scsiii		
0.0188	21	D	Scsiii		

Comment:

Manual Basin: LAR005900

Scenario: LAR_Exist_NormalTide
Node: LAR005900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 62.7006 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.8595	22	C	Scsiii		
16.2772	23	C	Scsiii		
14.0818	22	D	Scsiii		
16.9629	23	D	Scsiii		
1.2566	21	C	Scsiii		
0.2223	21	D	Scsiii		
0.0402	42	C	Scsiii		

Comment:

Manual Basin: LAR006000

Scenario: LAR_Exist_NormalTide
Node: LAR006000
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.1806 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8756	22	D	Scsiii		
1.1295	90	D	Scsiii		
0.8896	95	D	Scsiii		
3.8184	23	D	Scsiii		
0.4448	24	D	Scsiii		
0.0229	21	D	Scsiii		

Comment:

Manual Basin: LAR006200

Scenario: LAR_Exist_NormalTide
Node: LAR006200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 55.4609 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.6192	90	D	Scsiii		
28.0860	23	D	Scsiii		
18.8355	22	D	Scsiii		
1.7434	21	D	Scsiii		
0.1768	42	D	Scsiii		

Comment:

Manual Basin: LAR006400

Scenario: LAR_Exist_NormalTide
Node: LAR006400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 18.6120 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0435	22	C	Scsiii		
0.3994	23	C	Scsiii		
15.6006	23	D	Scsiii		
2.5531	22	D	Scsiii		
0.0153	90	D	Scsiii		

Comment:

Manual Basin: LAR006500

Scenario: LAR_Exist_NormalTide
Node: LAR006500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.5421 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.0697	22	D	Scsiii		
1.2672	90	D	Scsiii		
3.8336	23	D	Scsiii		
0.3716	21	D	Scsiii		

Comment:

Manual Basin: LAR006600

Scenario: LAR_Exist_NormalTide
Node: LAR006600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0

Area: 46.1188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.6177	22	D	Scsiii		
17.3131	23	D	Scsiii		
3.6295	21	D	Scsiii		
3.4391	42	D	Scsiii		
3.1194	90	D	Scsiii		

Comment:

Manual Basin: LAR006700

Scenario: LAR_Exist_NormalTide
Node: LAR006700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.8612 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4072	42	D	Scsiii		
3.3223	90	D	Scsiii		
10.8478	22	D	Scsiii		
0.0022	43	D	Scsiii		
0.3921	95	D	Scsiii		
0.2224	21	D	Scsiii		
0.6672	23	D	Scsiii		

Comment:

Manual Basin: LAR006800

Scenario: LAR_Exist_NormalTide
Node: LAR006800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.9532 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8208	42	D	Scsiii		
1.3169	43	D	Scsiii		
12.9960	22	D	Scsiii		
4.6729	23	D	Scsiii		
0.9136	21	D	Scsiii		
0.2223	24	D	Scsiii		
0.0107	90	D	Scsiii		

Comment:

Manual Basin: LAR007000

Scenario: LAR_Exist_NormalTide
Node: LAR007000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 55.5325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
20.5397	42	D	Scsiii		
12.2825	21	D	Scsiii		
2.1547	43	D	Scsiii		
9.7699	22	D	Scsiii		
4.9281	23	D	Scsiii		
5.8577	81	D	Scsiii		

Comment:

Manual Basin: LAR007100

Scenario: LAR_Exist_NormalTide
Node: LAR007100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 96.5767 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
51.2573	22	D	Scsiii		
1.3962	90	D	Scsiii		
1.2265	42	D	Scsiii		
38.0412	23	D	Scsiii		
4.6555	21	D	Scsiii		

Comment:

Manual Basin: LAR007500

Scenario: LAR_Exist_NormalTide
Node: LAR007500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 3.9172 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1576	21	D	Scsiii		
2.1213	22	D	Scsiii		
0.0368	90	D	Scsiii		
0.6017	23	D	Scsiii		

Comment:

Manual Basin: LAR007600

Scenario: LAR_Exist_NormalTide
Node: LAR007600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 33.7240 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1632	21	D	Scsiii		
22.4565	23	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1854	90	D	Scsiii		
10.9190	22	D	Scsiii		

Comment:

Manual Basin: LAR007700

Scenario: LAR_Exist_NormalTide
Node: LAR007700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.6352 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6377	23	D	Scsiii		
3.0798	22	D	Scsiii		
10.4496	90	D	Scsiii		
0.4950	21	D	Scsiii		
0.9731	42	D	Scsiii		

Comment:

Manual Basin: LAR007800

Scenario: LAR_Exist_NormalTide
Node: LAR007800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.1221 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8697	21	D	Scsiii		
3.3021	22	D	Scsiii		
11.6903	90	D	Scsiii		
0.2599	23	D	Scsiii		

Comment:

Manual Basin: LAR008100

Scenario: LAR_Exist_NormalTide
Node: LAR008100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 90.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 124.5083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
24.6174	21	D	Scsiii		
7.2634	81	D	Scsiii		
49.5817	42	D	Scsiii		
28.5103	22	D	Scsiii		
12.9865	23	D	Scsiii		
0.0860	43	D	Scsiii		
0.2223	11	D	Scsiii		
1.2407	90	D	Scsiii		

Comment:

Manual Basin: LAR008400

Scenario: LAR_Exist_NormalTide
Node: LAR008400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 38.9356 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.9496	90	D	Scsiii		
16.0178	22	D	Scsiii		
10.2117	23	D	Scsiii		
2.7565	21	D	Scsiii		

Comment:

Manual Basin: LAR008500

Scenario: LAR_Exist_NormalTide
Node: LAR008500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.4188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.6831	22	D	Scsiii		
4.1302	23	D	Scsiii		
2.4109	42	D	Scsiii		
2.1946	21	D	Scsiii		

Comment:

Manual Basin: LAR008600

Scenario: LAR_Exist_NormalTide
Node: LAR008600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.6652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1403	42	D	Scsiii		
14.4857	22	D	Scsiii		
1.5827	23	D	Scsiii		
0.4565	21	D	Scsiii		

Comment:

Manual Basin: LAR008700

Scenario: LAR_Exist_NormalTide
Node: LAR008700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.0888 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4335	21	D	Scsiii		
6.5558	22	D	Scsiii		
2.7265	90	D	Scsiii		
1.3730	23	D	Scsiii		

Comment:

Manual Basin: LAR008800

Scenario: LAR_Exist_NormalTide
Node: LAR008800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.2543 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2919	90	D	Scsiii		
2.8681	22	D	Scsiii		
0.2222	23	D	Scsiii		
0.8720	21	D	Scsiii		

Comment:

Manual Basin: LAR008900

Scenario: LAR_Exist_NormalTide
Node: LAR008902
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 68.3345 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
38.7323	22	D	Scsiii		
7.5980	21	D	Scsiii		
5.9903	90	D	Scsiii		
14.6797	23	D	Scsiii		
0.6671	95	D	Scsiii		
0.2223	42	D	Scsiii		
0.4448	11	D	Scsiii		

Comment:

Manual Basin: LAR009000

Scenario: LAR_Exist_NormalTide
Node: LAR009000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.2998 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.8716	22	D	Scsiii		
1.7574	42	D	Scsiii		
1.1528	23	D	Scsiii		
3.0557	21	D	Scsiii		
1.4622	90	D	Scsiii		

Comment:

Manual Basin: LAR009100

Scenario: LAR_Exist_NormalTide
Node: LAR009100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 8.9605 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.0688	22	D	Scsiii		
0.0172	21	D	Scsiii		
4.8013	23	D	Scsiii		
0.0731	90	D	Scsiii		

Comment:

Manual Basin: LAR009200

Scenario: LAR_Exist_NormalTide
Node: LAR009200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 4.5776 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0083	90	D	Scsiii		
1.9020	21	D	Scsiii		
1.0338	22	D	Scsiii		
1.3968	42	D	Scsiii		
0.2368	23	D	Scsiii		

Comment:

Manual Basin: LAR009300

Scenario: LAR_Exist_NormalTide
Node: LAR009300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0

Area: 12.8677 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6567	22	D	Scsiii		
0.3058	90	D	Scsiii		
0.3868	21	D	Scsiii		
0.0303	42	D	Scsiii		
7.4881	23	D	Scsiii		

Comment:

Manual Basin: LAR009900

Scenario: LAR_Exist_NormalTide
Node: LAR009900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.1773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.3347	23	D	Scsiii		
5.8426	22	D	Scsiii		

Comment:

Manual Basin: LAR010000

Scenario: LAR_Exist_NormalTide
Node: LAR010000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 13.0178 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2003	22	D	Scsiii		
9.8175	23	D	Scsiii		

Comment:

Manual Basin: LAR010100

Scenario: LAR_Exist_NormalTide
Node: LAR010100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.1736 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2637	22	D	Scsiii		
1.9099	23	D	Scsiii		

Comment:

Manual Basin: LAR010200

Scenario: LAR_Exist_NormalTide
Node: LAR010200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 29.6379 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
19.9751	22	D	Scsiii		
2.6914	21	D	Scsiii		
6.8833	23	D	Scsiii		
0.0880	90	D	Scsiii		

Comment:

Manual Basin: LAR011100

Scenario: LAR_Exist_NormalTide

Node: LAR011100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.2700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.5973	22	D	Scsiii		
1.1829	21	D	Scsiii		
1.0440	90	D	Scsiii		
7.3067	23	D	Scsiii		
0.1390	42	D	Scsiii		

Comment:

Node: LAR000000

Scenario: LAR_Exist_NormalTide
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -2.77 ft
Warning Stage: 5.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-2.77
0	0	0	6.0000	4.73
0	0	0	12.0000	-2.77
0	0	0	18.0000	4.73
0	0	0	24.0000	-2.77
0	0	0	30.0000	4.73
0	0	0	36.0000	-2.77
0	0	0	42.0000	4.73
0	0	0	48.0000	-2.77

Comment: 'Normal Tide' elevations from 2016 Nicholoson report, convert MSL to NAVD88

Node: LAR000100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft

Warning Stage: 5.00 ft

Comment:

Node: LAR000200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 5.10 ft

Comment:

Node: LAR000300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 9.10 ft

Comment:

Node: LAR000400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 10.60 ft

Comment:

Node: LAR000500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft

Warning Stage: 12.00 ft

Comment:

Node: LAR000600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.22 ft
Warning Stage: 5.02 ft

Comment:

Node: LAR000700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.55 ft
Warning Stage: 9.31 ft

Comment:

Node: LAR000800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.61 ft
Warning Stage: 8.02 ft

Comment:

Node: LAR000900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.82 ft

Warning Stage: 9.32 ft

Comment:

Node: LAR001000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.60 ft
Warning Stage: 8.37 ft

Comment:

Node: LAR001100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 9.53 ft

Comment:

Node: LAR001200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.40 ft
Warning Stage: 9.50 ft

Comment:

Node: LAR001300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.70 ft

Warning Stage: 9.70 ft

Comment:

Node: LAR001400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.52 ft
Warning Stage: 12.32 ft

Comment:

Node: LAR001500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.30 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR001600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.40 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	3.3000	143748
9.40	3.6000	156816

Comment:

Node: LAR001700

Scenario: LAR_Exist_NormalTide

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.46 ft
Warning Stage: 14.46 ft

Comment:

Node: LAR001800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft
Warning Stage: 18.00 ft

Comment:

Node: LAR001900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.3920	17076
13.00	0.8570	37331
16.00	1.2790	55713

Comment:

Node: LAR002000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.83 ft
Warning Stage: 5.00 ft

Comment:

Node: LAR002100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.16 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.36 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.64 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.47 ft
Warning Stage: 7.50 ft

Comment:

Node: LAR002500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.29 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.64 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.91 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.16 ft

Comment:

Node: LAR003100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR003400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.73 ft
Warning Stage: 19.79 ft

Comment:

Node: LAR003600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.80 ft
Warning Stage: 15.93 ft

Comment:

Node: LAR003700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR003800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1850	8059
6.00	0.6270	27312
7.00	1.0800	47045
14.00	1.5690	68346

Comment:

Node: LAR003900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.98 ft
Warning Stage: 13.79 ft

Comment:

Node: LAR004000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.91 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.0004	17
11.00	0.0100	436
12.00	0.0700	3049

Comment:

Node: LAR004100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.20 ft
Warning Stage: 12.39 ft

Comment:

Node: LAR004300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	1.4640	63772
13.00	2.8710	125061
14.00	3.0540	133032
15.00	3.2760	142703

Comment:

Node: LAR004600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5140	22390
8.00	0.9270	40380

Stage [ft]	Area [ac]	Area [ft2]
11.00	1.1500	50094

Comment:

Node: LAR004700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.7110	30971
8.00	1.2660	55147
10.00	1.4090	61376

Comment:

Node: LAR004800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	1.7470	76099
5.00	1.8710	81501

Comment:

Node: LAR004900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.01 ft
Warning Stage: 11.82 ft

Comment:

Node: LAR005000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.89 ft
Warning Stage: 11.97 ft

Comment:

Node: LAR005100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	1.4310	62334
5.00	2.5110	109379
8.00	3.6720	159952
12.00	5.2200	227383

Comment:

Node: LAR005200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.25 ft

Comment: updated initial stage per QC comment

Node: LAR005300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Comment: updated initial stage el per QC comment

Node: LAR005400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.60 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
4.60	2.1950	95614
5.50	2.2970	100057

Comment:

Node: LAR005500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.18 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.3180	13852
11.00	0.8780	38246

Comment:

Node: LAR005600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.15 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.15	0.0001	4
5.00	0.0340	1481
6.00	0.3000	13068
7.00	1.4840	64643
8.00	1.5950	69478

Comment:

Node: LAR005700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	3.5740	155683
7.00	4.2540	185304
11.00	4.9620	216145

Comment:

Node: LAR005800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.57 ft
Warning Stage: 8.57 ft

Comment:

Node: LAR005900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.50 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	1.7440	75969
7.50	2.1110	91955
11.00	2.4160	105241

Comment:

Node: LAR006000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.8530	37157
7.00	1.3870	60418
10.80	1.7250	75141

Comment:

Node: LAR006100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5540	24132
8.00	0.8260	35981
12.00	1.0340	45041

Comment:

Node: LAR006200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	4.2650	185783
16.00	5.1540	224508

Comment: Stage areas are summation of 4 interconnected ponds

Node: LAR006300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.84 ft
Warning Stage: 10.35 ft

Comment:

Node: LAR006400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.2430	10585
8.00	0.5770	25134
10.80	0.7010	30536

Comment:

Node: LAR006500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.95 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.1000	4356
10.00	0.3020	13155
13.00	0.4350	18949

Comment:

Node: LAR006600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft

Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.0190	87948
9.00	2.2030	95963
10.00	2.6760	116567

Comment:

Node: LAR006700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	2.4040	104718
6.00	3.5610	155117
7.00	3.8620	168229

Comment:

Node: LAR006800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.60	3.0000	130680
7.00	3.8000	165528
11.00	4.3700	190357

Comment:

Node: LAR006900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft

Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.4030	17555
11.00	0.7530	32801
13.00	0.9830	42819

Comment: overflow weir at 14'

Node: LAR007000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 14.00 ft

Comment:

Node: LAR007100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.9670	42123
8.00	1.9390	84463
14.00	2.7020	117699

Comment:

Node: LAR007200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR007300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.41 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR007400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.77 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.77	0.0004	17
14.83	0.0004	17

Comment:

Node: LAR007500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.72 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0004	17
14.39	0.0004	17

Comment:

Node: LAR007600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.50 ft
Warning Stage: 15.50 ft

Stage [ft]	Area [ac]	Area [ft2]
9.50	0.5540	24132
15.50	1.1300	49223

Comment:

Node: LAR007700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.61 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR007800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.83 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.83	0.0003	13
15.00	2.8400	123710

Comment:

Node: LAR007900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.1750	51183
10.00	1.3350	58153

Comment:

Node: LAR008000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.5880	112733
12.00	3.4190	148932

Comment:

Node: LAR008100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR008200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR008300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.01 ft
Warning Stage: 14.01 ft

Comment:

Node: LAR008400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 10.59 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	2.1300	92783
11.00	3.7770	164526

Comment:

Node: LAR008500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	1.1400	49658
11.00	1.1960	52098

Comment:

Node: LAR008600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.00	0.9480	41295
13.00	1.0880	47393

Comment:

Node: LAR008700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.8040	35022
10.00	1.6330	71133
11.00	1.6340	71177

Comment: Combined Stage-area with upstream pond Lagoon "F14"

Node: LAR008800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0910	3964
12.00	0.2610	11369

Comment:

Node: LAR008900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	3.5400	154202
12.00	4.8140	209698
16.00	5.8810	256176

Comment:

Node: LAR008901

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 12.00 ft
Warning Stage: 18.50 ft

Comment:

Node: LAR008902

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.00 ft
Warning Stage: 20.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.00	2.2500	98010
17.00	3.8700	168577
20.00	4.5900	199940

Comment:

Node: LAR009000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.05 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.00	0.2010	8756
14.00	0.2660	11587

Comment:

Node: LAR009100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.88 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1590	6926

Stage [ft]	Area [ac]	Area [ft2]
13.00	0.4600	20038
14.00	0.6400	27878

Comment:

Node: LAR009200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.60 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009300

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.0940	4095
12.00	0.3410	14854
13.00	0.5500	23958

Comment:

Node: LAR009400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR009500

Scenario: LAR_Exist_NormalTide
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 13.50 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	13.50
0	0	0	12.0000	14.50
0	0	0	24.0000	13.50

Comment:

Node: LAR009600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.80	4.1900	182516
14.80	4.9200	214315

Comment:

Node: LAR009700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.36 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009800

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 11.70 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.27 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.4100	17860
11.00	0.5400	23522
13.00	0.7300	31799
14.00	2.2300	97139

Comment:

Node: LAR010000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.90 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.6400	27878
11.00	0.9600	41818
14.00	1.4000	60984
15.00	2.0800	90605

Comment:

Node: LAR010100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.85 ft
Warning Stage: 14.50 ft

Stage [ft]	Area [ac]	Area [ft2]
11.85	0.0001	4
13.34	0.0010	44
13.90	0.1580	6882
15.90	0.3500	15246

Comment:

Node: LAR010200

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.38 ft
Warning Stage: 14.51 ft

Stage [ft]	Area [ac]	Area [ft2]
8.38	0.0004	17
12.00	0.6100	26572
13.00	1.8100	78844

Comment:

Node: LAR010300

Scenario: LAR_Exist_NormalTide
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 10.10 ft
Warning Stage: 14.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	10.10
0	0	0	12.0000	11.60
0	0	0	24.0000	10.10
0	0	0	48.0000	10.10

Comment:

Node: LAR010400

Scenario: LAR_Exist_NormalTide
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 10.31 ft
Warning Stage: 13.20 ft

Comment:

Node: LAR010500

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.90 ft
Warning Stage: 13.70 ft

Comment:

Node: LAR010600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.02 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR010700

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.99 ft
Warning Stage: 15.40 ft

Comment:

Node: LAR010800

Scenario: LAR_Exist_NormalTide
Type: Time/Stage

Base Flow: 0.00 cfs
Initial Stage: 9.90 ft
Warning Stage: 14.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9.90
0	0	0	12.0000	12.90
0	0	0	24.0000	9.90
0	0	0	48.0000	9.90

Comment:

Node: LAR010900

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.45 ft
Warning Stage: 14.50 ft

Comment:

Node: LAR011000

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.57 ft
Warning Stage: 13.90 ft

Comment:

Node: LAR011100

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.03 ft
Warning Stage: 18.00 ft

Stage [ft]	Area [ac]	Area [ft2]
15.00	0.4100	17860

Stage [ft]	Area [ac]	Area [ft2]
18.00	0.5400	23522

Comment:

Node: LAR011600

Scenario: LAR_Exist_NormalTide
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.7366	32085
9.70	0.9447	41151

Comment:

Pipe Link: LAR000100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	-2.15 ft	Invert:	-2.47 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR000100	Geometry: Rectangular		Geometry: Rectangular	
To Node:	LAR000000	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	4	Max Width:	8.00 ft	Max Width:	8.00 ft
Flow Direction:	Both	Fillet:	0.00 ft	Fillet:	0.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	117.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	14	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 dec	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR000200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	0.85 ft	Invert:	0.36 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR000200	Geometry: Irregular		Geometry: Irregular	
To Node:	LAR000100	Cross Section:	XS-00200-LIDAR	Cross Section:	XS-00100-LIDAR

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	1841.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR000300		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	1.08 ft	Invert:	0.85 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR000300	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000200	Cross Section:	XS-00300-LIDAR	Cross Section:	XS-00200-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	702.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000400		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	0.80 ft	Invert:	1.14 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR000400	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000300	Cross Section:	XS-00400-LIDAR	Cross Section:	XS-00300-NE-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	175.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				

Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR000500		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	3.00 ft	Invert:	0.80 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR000500	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000400	Cross Section:	XS-500-LIDAR	Cross Section:	XS-00400-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2191.74 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.04				
Bend Location:	0.36 dec				
Energy Switch:	Energy				

Comment: Cbend 0.001*40deg deflect = 0.04

Channel Link: LAR000600		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	1.14 ft	Invert:	1.08 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR000600	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000300	Cross Section:	XS-00600-LIDAR	Cross Section:	XS-00300-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1717.15 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000700		Upstream		Downstream	
Scenario:	LAR_Exist_NormalT	Invert:	2.55 ft	Invert:	1.33 ft

	ide	Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR000700	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000600	Cross Section:	XS-00700-LIDAR	Cross Section:	XS-00600-NE-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2417.32 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000800		Upstream		Downstream	
Scenario:	LAR_Exist_NormalT	Invert:	2.61 ft	Invert:	2.55 ft
	ide	Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR000800	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000700	Cross Section:	XS-00800-LIDAR	Cross Section:	XS-00700-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	479.05 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000900		Upstream		Downstream	
Scenario:	LAR_Exist_NormalT	Invert:	2.82 ft	Invert:	2.61 ft
	ide	Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR000900	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000800	Cross Section:	XS-900-LIDAR	Cross Section:	XS-00800-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	736.29 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				

Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR001000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.37 ft	Invert:	2.82 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR001000	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000900	Cross Section:	XS-1000-LIDAR	Cross Section:	XS-900-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	574.51 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR001100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	1.53 ft	Invert:	2.37 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR001100	Geometry:	Rectangular	Geometry:	Rectangular
To Node:	LAR001000	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Link Count:	2	Max Width:	6.00 ft	Max Width:	6.00 ft
Flow Direction:	Both	Fillet:	0.00 ft	Fillet:	0.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	86.48 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	19	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 dec	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR001200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	3.40 ft	Invert:	1.53 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR001200	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR001100	Cross Section:	XS-1200-LIDAR	Cross Section:	XS-1100-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	149.81 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR001300		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	3.69 ft	Invert:	3.40 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR001300	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR001200	Cross Section:	XS-1300-LIDAR	Cross Section:	XS-1200-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	370.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR001400		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	4.68 ft	Invert:	3.69 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR001400	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR001300	Cross Section:	XS-1400-DS-LIDAR	Cross Section:	XS-1300-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	488.00 ft				

Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR001500		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.78 ft	Invert:	4.68 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR001500	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR001400	Cross Section:	XS-1500-LIDAR	Cross Section:	XS-1400-DS-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	615.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Drop Structure Link: LAR001600		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	6.30 ft	Invert:	6.30 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR001600	Geometry:	Circular	Geometry:	Circular
To Node:	LAR001500	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1		Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	2	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft		Top Clip		
Length:	65.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	**Discharge Coefficients**	
Max Depth:	4.00 ft	Weir Default:	3.200
Max Width:	4.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	9.40 ft	Ref Node:	
Control Elevation:	9.40 ft	**Discharge Coefficients**	
Max Depth:	1.00 ft	Weir Default:	3.200
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR001700		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	6.84 ft	Invert:	6.08 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR001700	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR001400	Cross Section:	XS-1700-LIDAR	Cross Section:	XS-1400-N-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	563.20 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				

Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR001800		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	10.25 ft	Invert:	6.84 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR001800	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR001700	Cross Section:	XS-1800-LIDAR	Cross Section:	XS-1700-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	731.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Drop Structure Link: LAR001900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	8.70 ft	Invert:	7.43 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR001900	Geometry:	Circular	Geometry:	Circular
To Node:	LAR001800	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1		Bottom Clip		
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft		Top Clip		
Length:	373.50 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	13.20 ft	Ref Node:	
Control Elevation:	13.20 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR002000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	1.83 ft	Invert:	1.44 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR002000	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR000600	Cross Section:	XS-2000-DS-LIDAR	Cross Section:	XS-00600-NW-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1072.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	4.16 ft	Invert:	3.73 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR002100	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR002000	Cross Section:	XS-2100-LIDAR1	Cross Section:	XS-2000-LIDAR1
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	939.00 ft				

Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR002200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.36 ft	Invert:	4.16 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR002200	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR002100	Cross Section:	XS-2200-LIDAR1	Cross Section:	XS-2100-LIDAR1
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1234.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002300		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.64 ft	Invert:	5.36 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR002300	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR002200	Cross Section:	XS-2300-LIDAR-DS	Cross Section:	XS-2200-LIDAR1
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	282.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002400		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.47 ft	Invert:	5.84 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR002400	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR002300	Cross Section:	XS-2400-LIDAR	Cross Section:	XS-2300-E-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	498.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002500		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	6.29 ft	Invert:	5.82 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR002500	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR002300	Cross Section:	XS-02500-LIDAR	Cross Section:	XS-02300-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	742.76 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002600		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	6.64 ft	Invert:	6.29 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR002600	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR002500	Cross Section:	XS-02600-LIDAR	Cross Section:	XS-02500-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1016.56 ft				

Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: LAR002650		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.25 ft	Invert:	5.00 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR002800	Geometry: Circular		Geometry: Circular	
To Node:	LAR002700	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	3	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	72.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR002700		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	6.70 ft	Invert:	6.64 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR002700	Geometry: Irregular		Geometry: Irregular	
To Node:	LAR002600	Cross Section:	XS-02700-LIDAR	Cross Section:	XS-02600-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	538.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR002800		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.25 ft	Invert:	5.00 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR002800	Geometry: Circular		Geometry: Circular	
To Node:	LAR002750	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	72.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment: removed upstream 1d node interface, connect directly to 1d node					

Channel Link: LAR002900		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	6.91 ft	Invert:	7.00 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR002900	Geometry: Irregular		Geometry: Irregular	
To Node:	LAR002800	Cross Section:	XS-02900-LIDAR	Cross Section:	XS-02800-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	250.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR003000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	0.16 ft	Invert:	1.83 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR003000	Geometry: Irregular		Geometry: Irregular	
To Node:	LAR002000	Cross Section:	XS-3000-LIDAR	Cross Section:	XS-2000-DS-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2930.00 ft				
Contraction Coef:	0.00				

Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.14
Bend Location:	0.05 dec
Energy Switch:	Energy

Comment:

Pipe Link: LAR003100A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	0.56 ft	Invert:	0.16 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR003100	Geometry: Rectangular		Geometry: Rectangular	
To Node:	LAR003000	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Link Count:	1	Max Width:	8.00 ft	Max Width:	8.00 ft
Flow Direction:	Both	Fillet:	0.00 ft	Fillet:	0.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	67.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	9	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 dec	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR003100B			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR003100	Default:	0.00 ft
To Node:	LAR003000	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Parabolic	Ref Node:	
Invert:	8.20 ft	Discharge Coefficients	
Control Elevation:	8.20 ft	Weir Default:	2.800
Max Depth:	1.10 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	

Comment:

Channel Link: LAR003200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	0.70 ft	Invert:	0.56 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR003200	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	LAR003100	Max Depth:	10.00 ft	Max Depth:	10.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Damping:	0.0000 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Length:	169.22 ft	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Contraction Coef:	0.10	Bottom Clip			
Expansion Coef:	0.30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR003300A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	0.89 ft	Invert:	0.70 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR003300	Geometry: Rectangular		Geometry: Rectangular	
To Node:	LAR003200	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Link Count:	1	Max Width:	8.00 ft	Max Width:	8.00 ft
Flow Direction:	Both	Fillet:	0.00 ft	Fillet:	0.00 ft
Damping:	0.0000 ft	Bottom Clip			
Length:	118.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	9	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 dec	Default:	0.00 ft	Default:	0.00 ft
Energy Switch:	Energy	Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: LAR003300B			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR003300	Default:	0.00 ft
To Node:	LAR003200	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	10.71 ft
Control Elevation:	10.71 ft
Cross Section:	XS-9100W

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Channel Link: LAR003400		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	4.43 ft	Invert:	0.89 ft
		Manning's N:	0.0500	Manning's N:	0.0500
From Node:	LAR003400	Geometry: Irregular		Geometry: Irregular	
To Node:	LAR003300	Cross Section:	XS-03400-LIDAR	Cross Section:	XS-03300-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2197.45 ft				
Contraction Coef:	0.10				
Expansion Coef:	0.30				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.09				
Bend Location:	0.84 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR003500		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	3.73 ft	Invert:	1.20 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR003500	Geometry: Circular		Geometry: Circular	
To Node:	LAR003200	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	1382.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003600		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.80 ft	Invert:	1.20 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR003600	Geometry: Circular		Geometry: Circular	
To Node:	LAR003200	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	2075.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003700		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	3.50 ft	Invert:	2.80 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR003700	Geometry: Circular		Geometry: Circular	
To Node:	LAR003600	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	327.38 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR003800		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	3.75 ft	Invert:	3.50 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR003800	Geometry: Circular		Geometry: Circular	
To Node:	LAR003700	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	70.37 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.00 ft	Op Table:	
Control Elevation:	11.00 ft	Ref Node:	
Max Depth:	5.00 ft	Discharge Coefficients	
Max Width:	5.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Broad Crested Vertical	Top Clip	
Geometry Type:	Trapezoidal	Default:	0.00 ft
Invert:	12.50 ft	Op Table:	
Control Elevation:	12.50 ft	Ref Node:	
Max Depth:	1.50 ft	Discharge Coefficients	
Extrapolation Method:	Normal Projection	Weir Default:	3.200
Bottom Width:	25.00 ft	Weir Table:	
Left Slope:	10.000 (h:v)	Orifice Default:	0.600
Right Slope:	10.000 (h:v)	Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR003900		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	4.98 ft	Invert:	3.73 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR003900	Geometry: Circular		Geometry: Circular	
To Node:	LAR003500	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	1272.54 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR004000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	8.00 ft	Invert:	4.96 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR004000	Geometry: Circular		Geometry: Circular	
To Node:	LAR003900	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	89.16 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR004100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	6.20 ft	Invert:	4.98 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR004100	Geometry: Circular		Geometry: Circular	
To Node:	LAR003900	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	861.22 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR004200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	7.50 ft	Invert:	6.20 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR004201	Geometry: Circular		Geometry: Circular	
To Node:	LAR004100	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	65.83 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Drop Structure Link: LAR004300A		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	8.63 ft	Invert:	6.24 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR004300	Geometry: Circular		Geometry: Circular	
To Node:	LAR004100	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	2610.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Momentum				
Pipe Comment:					

Weir Component		
Weir: 1	Bottom Clip	

Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	15.05 ft
Control Elevation:	15.05 ft
Max Depth:	5.00 ft
Max Width:	5.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR004300B

Scenario:	LAR_Exist_NormalTide
From Node:	LAR004300
To Node:	LAR004100
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	2470.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream		Downstream	
Invert:	13.50 ft	Invert:	11.90 ft
Manning's N:	0.0350	Manning's N:	0.0350
Geometry: Trapezoidal		**Geometry: Trapezoidal**	
Max Depth:	4.00 ft	Max Depth:	3.50 ft
Extrapolation:	Normal	Extrapolation:	Normal
Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004500

Scenario:	LAR_Exist_NormalTide
From Node:	LAR004500
To Node:	LAR004400
Link Count:	2
Flow Direction:	Both

Upstream		Downstream	
Invert:	13.30 ft	Invert:	13.30 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Circular		**Geometry: Circular**	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft

Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	188.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR004600

Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR004600	Default:	0.00 ft
To Node:	LAR004550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	8.00 ft	Discharge Coefficients	
Control Elevation:	8.00 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	3.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Drop Structure Link: LAR004700

		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	5.20 ft	Invert:	5.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	LAR004700	Geometry: Circular		Geometry: Circular	
To Node:	LAR004650	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	34.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR004800		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	3.00 ft	Invert:	0.80 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR004800	Geometry: Circular		Geometry: Circular	
To Node:	LAR000400	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	60.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004900		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	3.01 ft	Invert:	3.00 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR004900	Geometry: Circular		Geometry: Circular	
To Node:	LAR000500	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft

Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	80.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.89 ft	Invert:	3.01 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR005000	Geometry: Circular		Geometry: Circular	
To Node:	LAR004900	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	40.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.78 ft	Invert:	2.89 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR005100	Geometry: Circular		Geometry: Circular	
To Node:	LAR005000	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	60.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.50 ft	Invert:	2.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	LAR005200	Geometry: Circular		Geometry: Circular	
To Node:	LAR005100	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	145.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005300		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.10 ft	Invert:	2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	LAR005300	Geometry: Circular		Geometry: Circular	
To Node:	LAR005100	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	37.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: LAR005400			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR005400	Default:	0.00 ft
To Node:	LAR005350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	5.30 ft	Weir Default:	2.800

Max Depth:	2.00 ft		
Max Width:	25.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Drop Structure Link: LAR005500		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	4.60 ft	Invert:	4.60 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR005500	Geometry: Circular		Geometry: Circular	
To Node:	LAR005400	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	93.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	6.18 ft	Op Table:	
Control Elevation:	6.18 ft	Ref Node:	
Max Depth:	4.00 ft	Discharge Coefficients	
Max Width:	4.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	0.50 ft
Max Width:	150.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR005600		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.15 ft	Invert:	1.97 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	LAR005600	Geometry: Circular		Geometry: Circular	
To Node:	LAR000700	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	42.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005700		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	3.00 ft	Invert:	2.50 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR005700	Geometry: Circular		Geometry: Circular	
To Node:	LAR000800	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	96.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	

Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	7.00 ft	Ref Node:	
Control Elevation:	7.00 ft	**Discharge Coefficients**	
Max Depth:	4.00 ft	Weir Default:	3.200
Max Width:	4.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR005800		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	4.57 ft	Invert:	4.00 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR005800	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	LAR000900	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Damping:	0.0000 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Length:	272.00 ft	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Contraction Coef:	0.00	**Bottom Clip**			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	**Top Clip**			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	5.70 ft	Invert:	4.57 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR005900	Geometry: Circular		Geometry: Circular	
To Node:	LAR005800	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	2	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	359.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	7.50 ft	Ref Node:	
Control Elevation:	7.50 ft	Discharge Coefficients	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	8.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	7.00 ft	Invert:	6.38 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR006000	Geometry: Circular		Geometry: Circular	
To Node:	LAR000900	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	3	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	62.00 ft	Ref Node:		Ref Node:	

FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	3.50 ft	Invert:	3.40 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	LAR006100	Geometry: Circular		Geometry: Circular	
To Node:	LAR001200	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	71.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006200		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	7.64 ft	Invert:	2.60 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	LAR006200	Geometry: Circular		Geometry: Circular	
To Node:	LAR006100	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	897.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	13.02 ft	Ref Node:	
Control Elevation:	13.02 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006300		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	2.84 ft	Invert:	2.70 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR006300	Geometry: Circular		Geometry: Circular	
To Node:	LAR001300	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	160.00 ft	Ref Node:		Ref Node:	

FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	3.00 ft	Invert:	2.84 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR006400	Geometry: Circular		Geometry: Circular	
To Node:	LAR006300	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	140.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006500		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	7.10 ft	Invert:	6.90 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR006500	Geometry: Circular		Geometry: Circular	
To Node:	LAR001700	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	58.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	9.95 ft	Op Table:	
Control Elevation:	9.95 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR006600A			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR006600	Default:	0.00 ft
To Node:	LAR006550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	

Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	2.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006600B

Scenario:	LAR_Exist_NormalTide
From Node:	LAR006600
To Node:	LAR006550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	9.64 ft
Control Elevation:	9.64 ft
Max Depth:	1.00 ft
Max Width:	615.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006700A

Scenario:	LAR_Exist_NormalTide
From Node:	LAR006700
To Node:	LAR006650S
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	6.00 ft
Control Elevation:	6.00 ft
Max Depth:	1.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	25.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006700B			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	6.00 ft	Discharge Coefficients	
Control Elevation:	6.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	25.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		
Comment:			

Weir Link: LAR006700C			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.00 ft	Discharge Coefficients	
Control Elevation:	7.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	1140.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Drop Structure Link: LAR006800A		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	1.58 ft	Invert:	0.02 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR006800	Geometry: Circular		Geometry: Circular	
To Node:	LAR006700	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			

Length:	482.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	7.00 ft
Control Elevation:	7.00 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR006800B

Scenario:	LAR_Exist_NormalTide
From Node:	LAR006800
To Node:	OFNF-0650
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	12.00 ft
Control Elevation:	12.00 ft
Max Depth:	0.50 ft
Max Width:	70.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: LAR006900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalT	Invert:	6.60 ft	Invert:	2.60 ft

	ide	Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR006900	Geometry: Circular		Geometry: Circular	
To Node:	LAR006800	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	522.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.00 ft	Op Table:	
Control Elevation:	11.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Broad Crested Vertical	Top Clip	
Geometry Type:	Trapezoidal	Default:	0.00 ft
Invert:	14.00 ft	Op Table:	
Control Elevation:	14.00 ft	Ref Node:	
Max Depth:	1.00 ft	Discharge Coefficients	
Extrapolation Method:	Normal Projection	Weir Default:	3.200
Bottom Width:	182.00 ft	Weir Table:	
Left Slope:	150.000 (h:v)	Orifice Default:	0.600
Right Slope:	100.000 (h:v)	Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR007000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	12.00 ft	Invert:	11.00 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR007000	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	LAR006900	Max Depth:	1.00 ft	Max Depth:	4.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Damping:	0.0000 ft	Left Slope:	4.000 (h:v)	Left Slope:	3.000 (h:v)
Length:	525.00 ft	Right Slope:	4.000 (h:v)	Right Slope:	3.000 (h:v)
Contraction Coef:	0.00	Bottom Clip			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR007100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	0.00 ft	Invert:	-0.50 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR007100	Geometry: Circular		Geometry: Circular	
To Node:	LAR007050	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	304.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	

Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	1.50 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	9.50 ft
Control Elevation:	9.50 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR007200

Scenario:	LAR_Exist_NormalTide
From Node:	LAR007200
To Node:	LAR007150
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	122.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 dec

Upstream

Invert:	5.50 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Downstream

Invert:	5.50 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR007250		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.50 ft	Invert:	5.50 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR007250	Geometry: Circular		Geometry: Circular	
To Node:	LAR007200	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	28.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: LAR007300			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR007300	Default:	0.00 ft
To Node:	LAR007250E	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	9.41 ft	Discharge Coefficients	
Control Elevation:	9.41 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Max Width:	11.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: LAR007400A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	10.77 ft	Invert:	9.41 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR007400	Geometry: Circular		Geometry: Circular	
To Node:	LAR007300	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	452.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: LAR007400B		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	16.00 ft	Invert:	9.41 ft
		Manning's N:	0.0150	Manning's N:	0.0150
From Node:	LAR007400	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	LAR007300	Max Depth:	1.00 ft	Max Depth:	2.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	10.00 ft	Bottom Width:	11.00 ft
Damping:	0.0000 ft	Left Slope:	20.000 (h:v)	Left Slope:	22.000 (h:v)
Length:	485.00 ft	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Contraction Coef:	0.00	Bottom Clip			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR007500A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	11.72 ft	Invert:	10.87 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR007500	Geometry: Circular		Geometry: Circular	
To Node:	LAR007400	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	285.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	

Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: LAR007500B		Upstream		Downstream	
Scenario:	LAR_Exist_NormalT	Invert:	17.00 ft	Invert:	16.00 ft
	ide	Manning's N:	0.0150	Manning's N:	0.0150
From Node:	LAR007500	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	LAR007400	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Damping:	0.0000 ft	Left Slope:	20.000 (h:v)	Left Slope:	20.000 (h:v)
Length:	495.00 ft	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Contraction Coef:	0.00	Bottom Clip			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR007600A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalT	Invert:	10.00 ft	Invert:	8.00 ft
	ide	Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR007600	Geometry: Circular		Geometry: Circular	
To Node:	LAR007550	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	40.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment: pipe information, assumed ie from approx top of water					

Weir Link: LAR007600B			
Scenario:	LAR_Exist_NormalTide	**Bottom Clip**	
From Node:	LAR007600	Default:	0.00 ft
To Node:	LAR007550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	15.00 ft	**Discharge Coefficients**	
Control Elevation:	15.00 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		
Comment:			

Channel Link: LAR007700		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	12.61 ft	Invert:	11.32 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR007700	Geometry: Irregular		Geometry: Irregular	
To Node:	LAR007650	Cross Section:	X-4600C-US	Cross Section:	X-4600C-DS
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1265.94 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR007800		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	13.81 ft	Invert:	13.27 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR007800	Geometry: Circular		Geometry: Circular	
To Node:	LAR007700	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	102.00 ft	Ref Node:		Ref Node:	

FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007900A

Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR007900	Default:	0.00 ft
To Node:	LAR007850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	8.50 ft	Discharge Coefficients	
Control Elevation:	8.50 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	27.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment: raised to match LiDAR elevation

Weir Link: LAR007900B

Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR007900	Default:	0.00 ft
To Node:	LAR007850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.00 ft	Discharge Coefficients	
Control Elevation:	9.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	200.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment: overflow weir

Pipe Link: LAR008000A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	4.17 ft	Invert:	3.84 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR008000	Geometry: Circular		Geometry: Circular	
To Node:	LAR007900	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	111.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment: reversed 'from' and 'to' nodes					

Weir Link: LAR008000B			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR008000	Default:	0.00 ft
To Node:	LAR007900	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Parabolic	Ref Node:	
Invert:	11.20 ft	Discharge Coefficients	
Control Elevation:	11.20 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	75.00 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	
Comment: road overflow weir			

Pipe Link: LAR008100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	4.76 ft	Invert:	2.00 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR008100	Geometry: Circular		Geometry: Circular	
To Node:	LAR008000	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	90.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft

Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR008200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	8.50 ft	Invert:	5.21 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR008200	Geometry: Circular		Geometry: Circular	
To Node:	LAR008100	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	327.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR008300		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	11.01 ft	Invert:	10.00 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR008300	Geometry: Circular		Geometry: Circular	
To Node:	LAR008100	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	196.21 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: LAR008400A			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR008400	Default:	0.00 ft

To Node:	LAR008350		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Trapezoidal	Op Table:	
Invert:	10.00 ft	Ref Node:	
Control Elevation:	10.00 ft	**Discharge Coefficients**	
Max Depth:	1.00 ft	Weir Default:	2.800
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	20.00 ft	Orifice Default:	0.600
Left Slope:	3.000 (h:v)	Orifice Table:	
Right Slope:	3.000 (h:v)		

Comment:

Weir Link: LAR008400B

Scenario:	LAR_Exist_NormalTide	**Bottom Clip**	
From Node:	LAR008400	Default:	0.00 ft
To Node:	LAR008350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.00 ft	**Discharge Coefficients**	
Control Elevation:	11.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	1230.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: LAR008500A

Scenario:	LAR_Exist_NormalTide	**Bottom Clip**	
From Node:	LAR008500	Default:	0.00 ft
To Node:	LAR008450	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.40 ft	**Discharge Coefficients**	
Control Elevation:	10.40 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	26.00 ft	Orifice Table:	

Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Comment: Weir invert set to match LiDAR

Weir Link: LAR008500B

Scenario:	LAR_Exist_NormalTide
From Node:	LAR008500
To Node:	LAR008450
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	1.00 ft
Max Width:	650.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008600A

Scenario:	LAR_Exist_NormalTide
From Node:	LAR008600
To Node:	LAR008450
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	11.70 ft
Control Elevation:	11.70 ft
Max Depth:	1.30 ft
Extrapolation Method:	Normal Projection
Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: weir invert set to match LiDAR elevation

Weir Link: LAR008600B

Scenario:	LAR_Exist_NormalTide
From Node:	LAR008600
To Node:	LAR008550

Bottom Clip

Default:	0.00 ft
Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	12.50 ft
Control Elevation:	12.50 ft
Max Depth:	1.00 ft
Max Width:	450.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008700A

Scenario:	LAR_Exist_NormalTide
From Node:	LAR008700
To Node:	LAR008650
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	10.00 ft
Control Elevation:	10.00 ft
Max Depth:	1.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008700B

Scenario:	LAR_Exist_NormalTide
From Node:	LAR008700
To Node:	LAR008650
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	1.00 ft
Max Width:	410.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008800			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR008800	Default:	0.00 ft
To Node:	LAR008750	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.90 ft	Discharge Coefficients	
Control Elevation:	10.90 ft	Weir Default:	2.800
Max Depth:	2.10 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	20.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Weir Link: LAR008900			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR008900	Default:	0.00 ft
To Node:	LAR008850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	11.67 ft	Discharge Coefficients	
Control Elevation:	11.67 ft	Weir Default:	2.800
Max Depth:	4.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	5.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Pipe Link: LAR008901		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	8.00 ft	Invert:	7.50 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	LAR008901	Geometry: Circular		Geometry: Circular	

To Node:	LAR008900	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	23.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Drop Structure Link: LAR008902		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	12.50 ft	Invert:	12.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	LAR008902	Geometry: Circular		Geometry: Circular	
To Node:	LAR008901	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	465.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	17.00 ft	Ref Node:	
Control Elevation:	17.00 ft	Discharge Coefficients	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	2.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009000			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR009000	Default:	0.00 ft
To Node:	LAR008950	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	12.05 ft	Discharge Coefficients	
Control Elevation:	12.05 ft	Weir Default:	2.800
Max Depth:	1.95 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Pipe Link: LAR009100A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	11.88 ft	Invert:	11.78 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	LAR009100	Geometry: Circular		Geometry: Circular	
To Node:	LAR009050	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	41.64 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009100B			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR009100	Default:	0.00 ft

To Node:	LAR009050		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Trapezoidal	Op Table:	
Invert:	13.00 ft	Ref Node:	
Control Elevation:	13.00 ft	**Discharge Coefficients**	
Max Depth:	0.21 ft	Weir Default:	2.800
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	170.00 ft	Orifice Default:	0.600
Left Slope:	20.000 (h:v)	Orifice Table:	
Right Slope:	25.000 (h:v)		

Comment:

Channel Link: LAR009200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	13.60 ft	Invert:	12.50 ft
		Manning's N:	0.0350	Manning's N:	0.0350
From Node:	LAR009200	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	LAR009150	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Damping:	0.0000 ft	Left Slope:	20.000 (h:v)	Left Slope:	12.000 (h:v)
Length:	582.00 ft	Right Slope:	9.000 (h:v)	Right Slope:	0.000 (h:v)
Contraction Coef:	0.00	Bottom Clip			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR009300A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	6.83 ft	Invert:	8.83 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR009300	Geometry: Circular		Geometry: Circular	
To Node:	LAR009400	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	629.00 ft	Ref Node:		Ref Node:	

FHWA Code:	3	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009300B			
Scenario:	LAR_Exist_NormalTide	Bottom Clip	
From Node:	LAR009300	Default:	0.00 ft
To Node:	LAR009250	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	12.08 ft	Discharge Coefficients	
Control Elevation:	12.08 ft	Weir Default:	2.800
Max Depth:	1.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	35.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Drop Structure Link: LAR009400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR_Exist_NormalTide	Invert:	8.92 ft	Invert:	8.83 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR009400	Geometry: Circular		Geometry: Circular	
To Node:	LAR009500	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	10	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	79.32 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	3	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	13.50 ft	Ref Node:	
Control Elevation:	13.50 ft	**Discharge Coefficients**	
Max Depth:	1.40 ft	Weir Default:	3.200
Max Width:	8.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009600		Bottom Clip	
Scenario:	LAR_Exist_NormalTide	Default:	0.00 ft
From Node:	LAR009600	Op Table:	
To Node:	LAR009550	Ref Node:	
Link Count:	1	**Top Clip**	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Trapezoidal	**Discharge Coefficients**	
Invert:	14.60 ft	Weir Default:	2.800
Control Elevation:	14.60 ft	Weir Table:	
Max Depth:	0.50 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	
Bottom Width:	50.00 ft		
Left Slope:	40.000 (h:v)		
Right Slope:	40.000 (h:v)		

Comment:

Pipe Link: LAR009700		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	11.36 ft	Invert:	11.00 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR009700	**Geometry: Horizontal Ellipse**		**Geometry: Horizontal Ellipse**	
To Node:	LAR007450	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Link Count:	1	**Bottom Clip**			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	

Length:	168.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR009800		Upstream		Downstream	
Scenario:	LAR_Exist_NormalT	Invert:	11.70 ft	Invert:	11.36 ft
	ide	Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR009800	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	LAR009700	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	63.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR009900		Upstream		Downstream	
Scenario:	LAR_Exist_NormalT	Invert:	12.27 ft	Invert:	11.70 ft
	ide	Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR009900	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	LAR009800	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	124.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR010000A		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	10.90 ft	Invert:	7.01 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR010000	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	LAR009900	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	344.00 ft	Ref Node:		Ref Node:	
FHWA Code:	3	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: LAR010000B		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	14.50 ft	Invert:	14.00 ft
		Manning's N:	0.0300	Manning's N:	0.0300
From Node:	LAR010000	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	LAR009900	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	10.00 ft	Bottom Width:	15.00 ft
Damping:	0.0000 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)
Length:	275.00 ft	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Contraction Coef:	0.00	Bottom Clip			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR010100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	11.85 ft	Invert:	11.42 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR010100	Geometry: Circular		Geometry: Circular	
To Node:	LAR007450	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft

Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	137.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR010200		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	8.38 ft	Invert:	6.19 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR010200	Geometry: Circular		Geometry: Circular	
To Node:	LAR010150	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	333.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR010400		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	10.50 ft	Invert:	10.10 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR010400	Geometry: Circular		Geometry: Circular	
To Node:	LAR010300	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	71.00 ft	Ref Node:		Ref Node:	
FHWA Code:	3	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: LAR010500		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	12.90 ft	Invert:	10.31 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR010500	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR010400	Cross Section:	X-17100C-US	Cross Section:	X-17000C-US
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1322.16 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR010600		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	11.02 ft	Invert:	10.31 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR010600	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR010400	Cross Section:	X-17200C-US	Cross Section:	X-17000C-US
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	482.80 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.95 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR010700		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	13.99 ft	Invert:	10.31 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR010700	Geometry:	Irregular	Geometry:	Irregular
To Node:	LAR010400	Cross Section:	X-17500C-US	Cross Section:	X-17000C-US
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1115.03 ft				

Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: LAR010900		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	10.30 ft	Invert:	9.90 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR010900	Geometry: Circular		Geometry: Circular	
To Node:	LAR010800	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	72.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR011000		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	10.57 ft	Invert:	9.45 ft
		Manning's N:	0.0000	Manning's N:	0.0000
From Node:	LAR011000	Geometry: Irregular		Geometry: Irregular	
To Node:	LAR010900	Cross Section:	X-17400C-US	Cross Section:	X-17300C-DS
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	580.24 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.84 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR011100		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	15.03 ft	Invert:	13.27 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR011100	Geometry: Circular		Geometry: Circular	
To Node:	LAR007700	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	905.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR011300		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	5.50 ft	Invert:	5.50 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR011300	Geometry: Circular		Geometry: Circular	
To Node:	LAR011200	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	62.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR011500		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	9.50 ft	Invert:	9.25 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR011500	Geometry: Circular		Geometry: Circular	
To Node:	LAR011400	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	3	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	200.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			

Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR011600

Scenario:	LAR_Exist_NormalTide
From Node:	LAR011600
To Node:	LAR011550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	9.60 ft
Control Elevation:	9.60 ft
Max Depth:	0.70 ft
Extrapolation Method:	Normal Projection
Bottom Width:	25.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: LAR011800

		Upstream		Downstream	
Scenario:	LAR_Exist_NormalTide	Invert:	11.86 ft	Invert:	12.05 ft
		Manning's N:	0.0130	Manning's N:	0.0130
From Node:	LAR011800	Geometry: Circular		Geometry: Circular	
To Node:	LAR011700	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	52.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	0.10	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Simulation: 100-yr

Scenario: LAR_Exist_NormalTide
Run Date/Time: 4/30/2026 12:10:01 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values

Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	8	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	11.20 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0100 ft	Dflt Damping (1D):	0.0100 ft
Min Node Srf Area (2D):	3600 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 10yr

Scenario:	LAR_Exist_NormalTide
Run Date/Time:	4/30/2026 12:40:19 AM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 1 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 6.66 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(2D):		(1D):	
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 25yr

Scenario: LAR_Exist_NormalTide
Run Date/Time: 5/14/2026 5:16:49 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Rainfall Folder:	ICPR4	Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:	ICPR4	Curve Number Set:	Curve Number
		Green-Ampt Set:	ICPR4
		Vertical Layers Set:	
		Impervious Set:	Impervious
		Roughness Set:	Roughness Zone n-values
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	8.32 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 2yr

Scenario:	LAR_Exist_NormalTide
Run Date/Time:	N/A
Program Version:	N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

	[sec]		
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	4.37 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 50yr

Scenario: LAR_Exist_NormalTide
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 8
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0100 ft
Min Node Srf Area (2D): 3600 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 9.72 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0100 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 5yr

Scenario: LAR_Exist_NormalTide
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:

Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	5.56 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Appendix B. Existing Conditions Model Result Reports (1D)

Manual Basin Runoff Summary [LAR_Exist_NormalTide]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
LAR000300	100-yr	995.80	12.2833	11.20	9.50	163.3613	86.1	24.63	0.00
LAR000400	100-yr	52.43	12.2500	11.20	9.34	7.8410	84.9	27.04	0.00
LAR000900	100-yr	153.06	12.2500	11.20	9.42	22.8316	85.5	19.84	0.01
LAR001000	100-yr	59.69	12.2500	11.20	9.03	9.1192	82.6	7.66	0.00
LAR001100	100-yr	81.02	12.1667	11.20	9.77	11.0296	88.3	38.86	0.00
LAR001200	100-yr	22.43	12.2500	11.20	9.45	3.3367	85.8	16.71	0.00
LAR001300	100-yr	92.83	12.1667	11.20	9.26	12.9971	84.4	9.18	0.00
LAR001400	100-yr	8.81	12.1667	11.20	9.42	1.2245	85.6	15.30	0.00
LAR001600	100-yr	256.63	12.3333	11.20	9.64	46.3324	87.2	23.89	0.00
LAR001900	100-yr	118.91	12.1667	11.20	9.97	16.0731	89.9	40.96	0.00
LAR003200	100-yr	549.16	12.3333	11.20	9.59	99.3220	86.8	27.09	0.00
LAR003300	100-yr	177.04	12.6833	11.20	9.07	56.1169	82.8	2.60	0.00
LAR003400	100-yr	240.26	12.7167	11.20	9.78	74.7372	88.3	32.87	0.00
LAR003800	100-yr	249.57	12.2500	11.20	10.17	35.8661	91.4	48.49	0.00
LAR004000	100-yr	97.48	13.0333	11.20	9.19	41.4050	83.7	10.96	0.00
LAR004300	100-yr	365.79	12.1667	11.20	10.29	48.8051	92.5	54.74	0.00
LAR004600	100-yr	143.46	12.1667	11.20	10.22	19.1813	91.9	59.84	0.00
LAR004700	100-yr	206.12	12.1667	11.20	10.03	27.8217	90.4	53.78	0.00
LAR004900	100-yr	8.65	12.1667	11.20	9.94	1.1680	89.7	43.15	0.00
LAR005000	100-yr	15.22	12.1667	11.20	10.11	2.0436	91.0	48.46	0.00
LAR005100	100-yr	241.99	12.1667	11.20	10.45	32.1432	93.7	62.68	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
LAR005200	100-yr	50.12	12.1667	11.20	10.02	6.7721	90.3	53.62	0.00
LAR005300	100-yr	211.52	12.1667	11.20	10.46	28.1912	93.8	62.84	0.00
LAR005500	100-yr	177.01	12.1667	11.20	9.57	24.4457	86.8	37.55	3.64
LAR005600	100-yr	91.27	12.1667	11.20	9.74	12.4929	88.1	34.79	0.00
LAR005700	100-yr	263.45	12.1667	11.20	10.27	35.2081	92.3	52.93	5.57
LAR005900	100-yr	464.96	12.1667	11.20	10.02	62.7006	90.3	50.53	0.00
LAR006000	100-yr	75.55	12.1667	11.20	10.06	10.1806	90.7	41.68	0.00
LAR006200	100-yr	411.95	12.1667	11.20	10.08	55.4609	90.8	45.43	0.00
LAR006400	100-yr	140.22	12.1667	11.20	10.44	18.6120	93.6	60.76	0.00
LAR006500	100-yr	78.03	12.1667	11.20	9.98	10.5421	90.0	41.17	0.00
LAR006600	100-yr	317.32	12.2500	11.20	9.94	46.1188	89.6	40.10	0.00
LAR006700	100-yr	122.62	12.1667	11.20	9.59	16.8612	87.0	25.35	0.00
LAR006800	100-yr	169.38	12.2500	11.20	9.67	24.9532	87.5	31.94	0.00
LAR007000	100-yr	259.14	12.4000	11.20	9.27	55.5325	84.4	16.35	0.00
LAR007100	100-yr	669.90	12.2500	11.20	10.07	96.5767	90.7	45.14	0.00
LAR007500	100-yr	28.87	12.1667	11.20	9.84	3.9172	88.9	34.85	0.00
LAR007600	100-yr	252.82	12.1667	11.20	10.30	33.7240	92.5	54.71	0.00
LAR007700	100-yr	104.03	12.2500	11.20	9.28	15.6352	84.4	10.18	0.00
LAR007800	100-yr	114.23	12.2500	11.20	9.30	17.1221	84.6	9.92	0.00
LAR008100	100-yr	288.48	13.0833	11.20	9.31	124.5083	84.6	18.93	0.18
LAR008400	100-yr	266.56	12.2500	11.20	9.81	38.9356	88.6	32.86	0.00
LAR008500	100-yr	127.63	12.1667	11.20	9.78	17.4188	88.4	35.38	0.00
LAR008600	100-yr	123.05	12.1667	11.20	9.87	16.6652	89.1	37.14	0.00
LAR00870	100-yr	88.42	12.1667	11.20	9.70	12.0888	87.8	28.73	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
0									
LAR008800	100-yr	45.37	12.1667	11.20	9.54	6.2543	86.5	21.15	0.00
LAR008900	100-yr	504.03	12.1667	11.20	9.88	68.3345	89.2	36.68	0.65
LAR009000	100-yr	103.78	12.2500	11.20	9.61	15.2998	87.0	26.90	0.00
LAR009100	100-yr	66.95	12.1667	11.20	10.20	8.9605	91.8	50.76	0.00
LAR009200	100-yr	32.81	12.1667	11.20	9.36	4.5776	85.1	19.58	0.00
LAR009300	100-yr	96.14	12.1667	11.20	10.21	12.8677	91.8	51.09	0.00
LAR009900	100-yr	113.67	12.1667	11.20	10.26	15.1773	92.3	53.45	0.00
LAR010000	100-yr	97.84	12.1667	11.20	10.37	13.0178	93.1	57.62	0.00
LAR010100	100-yr	16.39	12.1667	11.20	10.46	2.1736	93.8	61.36	0.00
LAR010200	100-yr	219.54	12.1667	11.20	9.96	29.6379	89.8	40.50	0.00
LAR011100	100-yr	133.42	12.2500	11.20	10.04	19.2700	90.4	43.31	0.00
LAR000300	10yr	550.63	12.2833	6.66	5.07	163.3613	86.2	24.63	0.00
LAR000400	10yr	28.84	12.2500	6.66	4.93	7.8410	85.0	27.04	0.00
LAR000900	10yr	84.58	12.2500	6.66	5.01	22.8316	85.6	19.84	0.01
LAR001000	10yr	32.14	12.2500	6.66	4.67	9.1192	82.6	7.66	0.00
LAR001100	10yr	45.91	12.1833	6.66	5.31	11.0296	88.4	38.86	0.00
LAR001200	10yr	12.42	12.2500	6.66	5.03	3.3367	85.8	16.71	0.00
LAR001300	10yr	51.05	12.1833	6.66	4.87	12.9971	84.4	9.18	0.00
LAR001400	10yr	4.88	12.1833	6.66	5.01	1.2245	85.7	15.30	0.00
LAR001600	10yr	142.65	12.3333	6.66	5.19	46.3324	87.3	23.89	0.00
LAR001900	10yr	68.01	12.1833	6.66	5.49	16.0731	89.9	40.96	0.00
LAR003200	10yr	304.73	12.3333	6.66	5.15	99.3220	86.9	27.09	0.00
LAR003300	10yr	93.42	12.7000	6.66	4.70	56.1169	82.9	2.60	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
LAR003400	10yr	133.64	12.7167	6.66	5.32	74.7372	88.4	32.87	0.00
LAR003800	10yr	143.91	12.2500	6.66	5.67	35.8661	91.4	48.49	0.00
LAR004000	10yr	51.68	13.0667	6.66	4.81	41.4050	83.8	10.96	0.00
LAR004300	10yr	212.64	12.1667	6.66	5.78	48.8051	92.5	54.74	0.00
LAR004600	10yr	83.16	12.1667	6.66	5.72	19.1813	91.9	59.84	0.00
LAR004700	10yr	118.23	12.1667	6.66	5.55	27.8217	90.5	53.78	0.00
LAR004900	10yr	4.94	12.1833	6.66	5.46	1.1680	89.7	43.15	0.00
LAR005000	10yr	8.77	12.1667	6.66	5.61	2.0436	91.0	48.46	0.00
LAR005100	10yr	141.54	12.1667	6.66	5.93	32.1432	93.7	62.68	0.00
LAR005200	10yr	28.69	12.1667	6.66	5.54	6.7721	90.4	53.62	0.00
LAR005300	10yr	123.32	12.1667	6.66	5.95	28.1912	93.9	62.84	0.00
LAR005500	10yr	99.00	12.1833	6.66	5.15	24.4457	86.9	37.55	3.64
LAR005600	10yr	51.55	12.1833	6.66	5.29	12.4929	88.2	34.79	0.00
LAR005700	10yr	152.83	12.1667	6.66	5.76	35.2081	92.3	52.93	5.57
LAR005900	10yr	266.71	12.1667	6.66	5.54	62.7006	90.4	50.53	0.00
LAR006000	10yr	43.39	12.1667	6.66	5.58	10.1806	90.7	41.68	0.00
LAR006200	10yr	236.91	12.1667	6.66	5.60	55.4609	90.9	45.43	0.00
LAR006400	10yr	82.06	12.1667	6.66	5.91	18.6120	93.6	60.76	0.00
LAR006500	10yr	44.66	12.1667	6.66	5.50	10.5421	90.1	41.17	0.00
LAR006600	10yr	180.71	12.2500	6.66	5.46	46.1188	89.6	40.10	0.00
LAR006700	10yr	68.78	12.1833	6.66	5.16	16.8612	87.0	25.35	0.00
LAR006800	10yr	95.03	12.2500	6.66	5.23	24.9532	87.6	31.94	0.00
LAR007000	10yr	139.98	12.4167	6.66	4.88	55.5325	84.5	16.35	0.00
LAR00710	10yr	384.62	12.2500	6.66	5.58	96.5767	90.7	45.14	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
0									
LAR007500	10yr	16.42	12.1833	6.66	5.37	3.9172	88.9	34.85	0.00
LAR007600	10yr	146.99	12.1667	6.66	5.79	33.7240	92.5	54.71	0.00
LAR007700	10yr	56.95	12.2500	6.66	4.88	15.6352	84.5	10.18	0.00
LAR007800	10yr	62.67	12.2500	6.66	4.90	17.1221	84.7	9.92	0.00
LAR008100	10yr	154.36	13.1000	6.66	4.92	124.5083	84.8	18.93	0.18
LAR008400	10yr	150.77	12.2500	6.66	5.35	38.9356	88.7	32.86	0.00
LAR008500	10yr	72.28	12.1833	6.66	5.33	17.4188	88.5	35.38	0.00
LAR008600	10yr	70.11	12.1833	6.66	5.39	16.6652	89.1	37.14	0.00
LAR008700	10yr	49.90	12.1833	6.66	5.25	12.0888	87.8	28.73	0.00
LAR008800	10yr	25.37	12.1833	6.66	5.11	6.2543	86.5	21.15	0.00
LAR008900	10yr	287.12	12.1833	6.66	5.41	68.3345	89.3	36.68	0.65
LAR009000	10yr	58.07	12.2500	6.66	5.17	15.2998	87.1	26.90	0.00
LAR009100	10yr	38.75	12.1667	6.66	5.70	8.9605	91.8	50.76	0.00
LAR009200	10yr	18.14	12.1833	6.66	4.96	4.5776	85.2	19.58	0.00
LAR009300	10yr	55.67	12.1667	6.66	5.71	12.8677	91.9	51.09	0.00
LAR009900	10yr	65.99	12.1667	6.66	5.76	15.1773	92.3	53.45	0.00
LAR010000	10yr	57.07	12.1667	6.66	5.85	13.0178	93.1	57.62	0.00
LAR010100	10yr	9.60	12.1667	6.66	5.93	2.1736	93.8	61.36	0.00
LAR010200	10yr	125.60	12.1833	6.66	5.48	29.6379	89.8	40.50	0.00
LAR011100	10yr	76.45	12.2500	6.66	5.55	19.2700	90.4	43.31	0.00

Node Max Conditions [LAR_Exist_NormalTide]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR000000	100-yr	5.00	4.73	-0.0012	1503.32	176.58	0
LAR000100	100-yr	5.00	6.18	-0.0046	1903.58	1902.20	126805
LAR000200	100-yr	5.10	6.72	0.0010	1613.99	1700.07	163334
LAR000300	100-yr	9.10	6.86	0.0010	2262.07	2257.94	113212
LAR000400	100-yr	10.60	6.91	0.0010	645.97	643.91	46609
LAR000500	100-yr	12.00	7.53	0.0011	161.97	159.19	26346
LAR000600	100-yr	5.02	7.35	0.0010	2486.66	2478.20	258307
LAR000700	100-yr	9.31	8.08	0.0002	667.91	677.62	101633
LAR000800	100-yr	8.02	9.26	0.0003	650.09	648.82	26716
LAR000900	100-yr	9.32	10.17	0.0003	618.98	612.72	32095
LAR001000	100-yr	8.37	10.33	-0.0006	318.63	314.86	13254
LAR001100	100-yr	9.53	10.51	0.0016	279.21	274.30	4500
LAR001200	100-yr	9.50	10.51	0.0004	248.47	256.72	13655
LAR001300	100-yr	9.70	10.55	0.0006	187.93	193.72	22526
LAR001400	100-yr	12.32	10.56	0.0004	113.97	124.23	37193
LAR001500	100-yr	10.00	10.57	0.0004	39.48	41.31	15360
LAR001600	100-yr	10.00	13.12	0.0003	256.63	39.48	156816
LAR001700	100-yr	14.46	10.71	0.0003	83.73	85.18	13558
LAR001800	100-yr	18.00	12.09	0.0010	40.37	40.55	4501
LAR001900	100-yr	16.00	16.55	0.0004	118.91	40.37	55713
LAR002000	100-yr	5.00	7.53	0.0004	1458.64	1430.27	243042
LAR002100	100-yr	7.20	7.61	0.0001	697.93	680.38	127879
LAR002200	100-yr	7.20	7.76	0.0001	384.06	366.35	52162
LAR002300	100-yr	7.20	7.83	0.0001	467.32	462.36	76496
LAR002400	100-yr	7.50	7.91	0.0001	71.38	71.41	27519
LAR002500	100-yr	10.00	8.25	0.0001	221.02	219.16	76449
LAR002600	100-yr	10.00	8.54	0.0001	370.89	360.53	88908
LAR002700	100-yr	11.37	8.79	0.0005	217.71	217.81	17048
LAR002800	100-yr	11.37	10.72	0.0005	266.84	263.80	10339
LAR002900	100-yr	8.00	10.75	0.0001	90.95	88.84	12850
LAR003000	100-yr	6.16	7.99	0.0002	1073.22	1069.72	144908
LAR003100	100-yr	6.00	9.54	0.0008	806.65	806.02	6250
LAR003200	100-yr	6.00	9.62	0.0004	807.44	806.65	11751
LAR003300	100-yr	10.00	10.64	0.0004	366.61	362.91	104992
LAR003400	100-yr	8.00	10.69	0.0003	240.26	211.53	141241
LAR003500	100-yr	19.79	12.41	-0.0010	90.34	90.36	5506
LAR003600	100-yr	15.93	13.83	0.0036	86.03	86.04	5239
LAR003700	100-yr	16.00	15.44	0.0187	110.08	86.03	652
LAR003800	100-yr	14.00	16.18	0.0005	249.57	110.28	68346
LAR003900	100-yr	13.79	17.70	-0.0032	90.33	90.34	4243
LAR004000	100-yr	12.91	72.59	0.0010	97.48	70.43	3051
LAR004100	100-yr	12.39	17.88	-0.0114	170.87	65.92	46406

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR004300	100-yr	15.00	17.92	0.0004	365.79	170.87	183290
LAR004600	100-yr	11.00	10.82	0.0003	143.46	129.81	49522
LAR004700	100-yr	10.00	12.73	0.0006	206.12	79.48	61376
LAR004800	100-yr	5.00	6.94	0.0004	1610.64	1604.08	114694
LAR004900	100-yr	11.82	9.07	0.0135	161.98	161.97	300
LAR005000	100-yr	11.97	9.83	0.0528	159.17	159.17	250
LAR005100	100-yr	12.00	10.61	-0.0010	503.21	155.17	204025
LAR005200	100-yr	12.25	10.64	-0.0010	50.12	49.91	289
LAR005300	100-yr	12.00	11.30	-0.0012	211.52	211.31	100
LAR005400	100-yr	5.50	7.28	0.0002	133.09	70.89	100057
LAR005500	100-yr	11.00	12.91	0.0009	177.01	133.09	38246
LAR005600	100-yr	8.00	9.89	0.0003	91.27	7.13	69479
LAR005700	100-yr	11.00	9.98	0.0003	263.45	51.81	208262
LAR005800	100-yr	8.57	10.20	0.0003	151.83	153.12	5111
LAR005900	100-yr	11.00	15.00	0.0008	464.96	151.83	105241
LAR006000	100-yr	10.80	10.29	0.0004	99.11	32.62	73184
LAR006100	100-yr	12.00	12.55	0.0003	77.08	68.81	45041
LAR006200	100-yr	16.00	17.04	0.0004	411.95	77.08	224508
LAR006300	100-yr	10.35	12.87	0.0007	42.23	42.25	200
LAR006400	100-yr	10.80	15.28	0.0009	140.22	42.23	30536
LAR006500	100-yr	13.00	13.92	0.0006	78.03	44.08	18949
LAR006600	100-yr	10.00	9.59	-0.0044	356.07	354.19	119113
LAR006700	100-yr	7.00	8.45	0.0001	441.53	374.51	221364
LAR006800	100-yr	11.00	12.53	0.0003	396.56	152.79	190357
LAR006900	100-yr	15.00	14.51	0.0004	259.27	256.46	50150
LAR007000	100-yr	14.00	18.90	0.0026	259.14	259.27	4823
LAR007100	100-yr	14.00	19.22	0.0009	669.90	199.07	117699
LAR007200	100-yr	11.37	10.07	-0.0004	21.72	21.72	150
LAR007300	100-yr	15.00	10.76	0.0002	28.61	28.30	7804
LAR007400	100-yr	17.00	16.38	-0.0014	28.80	28.61	11224
LAR007500	100-yr	17.00	17.61	-0.0018	28.87	28.80	7967
LAR007600	100-yr	15.50	17.14	0.0010	252.82	208.16	49224
LAR007700	100-yr	16.00	14.94	0.0002	189.78	179.07	91118
LAR007800	100-yr	16.00	16.02	0.0001	114.23	44.33	124016
LAR007900	100-yr	10.00	10.82	0.0001	253.76	244.08	94862
LAR008000	100-yr	12.00	12.49	0.0001	288.47	251.85	148942
LAR008100	100-yr	16.00	20.80	0.0004	288.48	288.47	941
LAR008200	100-yr	13.00	20.80	0.0004	0.56	0.26	596
LAR008300	100-yr	14.01	20.80	0.0005	0.62	0.26	190
LAR008400	100-yr	10.59	10.85	0.0001	438.71	404.13	293013
LAR008500	100-yr	11.00	11.38	0.0002	156.80	149.56	65273
LAR008600	100-yr	13.00	12.23	0.0001	144.91	144.60	58021
LAR008700	100-yr	11.00	11.14	0.0001	105.80	82.09	96443
LAR008800	100-yr	13.00	11.34	0.0001	50.68	50.71	13375
LAR008900	100-yr	16.00	13.22	0.0000	49.84	47.10	223873
LAR008901	100-yr	18.50	13.48	-0.0010	49.85	49.84	100
LAR008902	100-yr	20.00	23.71	0.0006	504.03	49.85	199940

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR009000	100-yr	14.00	13.05	0.0001	108.43	108.32	13371
LAR009100	100-yr	14.00	14.14	0.0001	66.95	60.27	27880
LAR009200	100-yr	15.00	14.46	0.0002	32.81	33.31	11917
LAR009300	100-yr	14.00	14.10	0.0001	107.71	111.31	23977
LAR009400	100-yr	16.00	14.12	0.0010	12.32	12.27	100
LAR009500	100-yr	0.00	14.50	0.0001	4.55	12.32	0
LAR009600	100-yr	0.00	14.12	0.0001	84.78	26.75	215162
LAR009700	100-yr	15.00	14.77	0.0010	40.23	40.23	434
LAR009800	100-yr	15.00	15.26	0.0004	40.23	40.23	498
LAR009900	100-yr	14.00	15.95	-0.0003	137.30	40.23	100050
LAR010000	100-yr	15.00	15.98	0.0002	97.84	26.17	93038
LAR010100	100-yr	14.50	15.13	0.0002	16.39	11.07	12016
LAR010200	100-yr	14.51	15.34	0.0007	219.54	78.91	78854
LAR010300	100-yr	14.00	11.60	0.0001	32.00	0.22	0
LAR010400	100-yr	13.20	14.13	-0.0003	139.94	98.03	95976
LAR010500	100-yr	13.70	14.47	0.0001	82.76	70.79	50556
LAR010600	100-yr	13.00	14.14	0.0002	60.74	49.04	22327
LAR010700	100-yr	15.40	14.81	0.0041	51.52	146.63	38185
LAR010800	100-yr	14.00	12.90	0.0002	46.78	1.31	0
LAR010900	100-yr	14.50	14.04	0.0010	52.69	52.42	22628
LAR011000	100-yr	13.90	14.07	0.0002	33.24	32.75	28741
LAR011100	100-yr	18.00	23.44	0.0008	133.42	57.70	24194
LAR011600	100-yr	9.70	10.86	0.0002	40.88	22.20	55024
LAR000000	10yr	5.00	4.73	0.0009	881.32	175.19	0
LAR000100	10yr	5.00	5.06	-0.0091	853.36	881.32	99182
LAR000200	10yr	5.10	5.93	0.0010	1092.34	1091.11	163334
LAR000300	10yr	9.10	6.04	0.0010	1197.23	1207.98	113212
LAR000400	10yr	10.60	6.08	0.0010	311.69	310.88	46034
LAR000500	10yr	12.00	6.71	0.0021	108.57	105.94	24933
LAR000600	10yr	5.02	6.43	0.0009	1299.90	1292.19	241385
LAR000700	10yr	9.31	7.95	-0.0004	372.31	372.26	73867
LAR000800	10yr	8.02	8.51	0.0003	365.88	364.22	26604
LAR000900	10yr	9.32	9.17	0.0004	377.73	365.84	30920
LAR001000	10yr	8.37	9.29	-0.0012	198.14	192.94	12371
LAR001100	10yr	9.53	9.36	0.0032	168.53	167.39	4081
LAR001200	10yr	9.50	9.37	0.0004	154.27	156.10	12685
LAR001300	10yr	9.70	9.40	0.0005	108.57	108.44	19057
LAR001400	10yr	12.32	9.43	0.0004	67.09	66.55	33140
LAR001500	10yr	10.00	9.43	0.0004	25.95	26.75	12561
LAR001600	10yr	10.00	10.28	0.0002	150.46	25.95	156816
LAR001700	10yr	14.46	9.79	0.0003	66.67	64.89	11797
LAR001800	10yr	18.00	11.80	0.0010	33.78	33.70	4053
LAR001900	10yr	16.00	14.93	0.0002	68.01	33.78	49157
LAR002000	10yr	5.00	6.66	0.0005	768.81	760.09	219229
LAR002100	10yr	7.20	6.75	0.0001	508.05	502.74	124487
LAR002200	10yr	7.20	7.02	0.0001	275.09	274.08	52162
LAR002300	10yr	7.20	7.38	0.0001	274.70	274.49	72987

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR002400	10yr	7.50	7.41	0.0001	9.45	9.43	8781
LAR002500	10yr	10.00	7.88	0.0001	108.29	108.18	72937
LAR002600	10yr	10.00	8.13	0.0001	194.90	189.06	88025
LAR002700	10yr	11.37	8.46	0.0004	159.70	159.77	17048
LAR002800	10yr	11.37	9.41	0.0004	189.57	189.45	10339
LAR002900	10yr	8.00	9.49	0.0002	80.37	80.02	12850
LAR003000	10yr	6.16	7.54	0.0002	599.78	597.34	115935
LAR003100	10yr	6.00	8.70	0.0016	443.20	442.89	5818
LAR003200	10yr	6.00	8.74	-0.0007	443.56	443.20	11741
LAR003300	10yr	10.00	9.07	0.0004	197.40	206.96	95596
LAR003400	10yr	8.00	9.12	0.0002	139.39	121.44	122668
LAR003500	10yr	19.79	10.94	0.0044	79.03	79.05	5506
LAR003600	10yr	15.93	10.85	0.0010	66.01	65.89	5239
LAR003700	10yr	16.00	11.71	0.0013	66.15	66.01	652
LAR003800	10yr	14.00	12.60	0.0004	143.91	66.15	64076
LAR003900	10yr	13.79	14.89	0.0123	79.00	79.03	4252
LAR004000	10yr	12.91	34.31	0.0007	51.68	41.97	3051
LAR004100	10yr	12.39	15.54	-0.0169	94.78	56.14	29656
LAR004300	10yr	15.00	16.26	0.0002	212.64	91.03	175327
LAR004600	10yr	11.00	10.11	0.0002	83.16	69.50	47228
LAR004700	10yr	10.00	10.44	0.0002	118.23	57.82	61376
LAR004800	10yr	5.00	6.11	0.0004	811.35	806.75	114694
LAR004900	10yr	11.82	7.52	0.0271	113.26	108.57	300
LAR005000	10yr	11.97	7.91	0.0967	133.50	113.26	250
LAR005100	10yr	12.00	8.27	-0.0008	293.26	133.50	164475
LAR005200	10yr	12.25	8.28	0.0010	28.69	28.55	289
LAR005300	10yr	12.00	8.41	-0.0023	123.32	123.18	100
LAR005400	10yr	5.50	6.32	0.0001	32.22	28.01	100057
LAR005500	10yr	11.00	10.67	0.0005	99.00	32.22	37445
LAR005600	10yr	8.00	8.21	0.0004	53.51	5.13	69479
LAR005700	10yr	11.00	8.72	0.0001	152.83	37.03	198556
LAR005800	10yr	8.57	9.22	0.0004	105.74	105.57	4306
LAR005900	10yr	11.00	11.57	0.0004	266.71	105.74	105241
LAR006000	10yr	10.80	9.19	0.0002	74.29	17.64	68922
LAR006100	10yr	12.00	11.16	0.0001	65.02	60.59	43144
LAR006200	10yr	16.00	15.27	0.0002	236.91	65.02	215133
LAR006300	10yr	10.35	10.56	0.0006	29.37	29.37	200
LAR006400	10yr	10.80	11.73	0.0004	82.06	29.37	30536
LAR006500	10yr	13.00	11.59	0.0002	44.66	33.47	16224
LAR006600	10yr	10.00	9.38	-0.0088	202.97	193.77	108667
LAR006700	10yr	7.00	8.06	0.0002	230.70	205.01	218688
LAR006800	10yr	11.00	10.14	0.0001	153.32	52.10	185017
LAR006900	10yr	15.00	14.28	0.0002	154.49	118.16	49147
LAR007000	10yr	14.00	17.95	0.0017	139.98	154.49	4753
LAR007100	10yr	14.00	14.44	0.0004	384.62	145.99	117699
LAR007200	10yr	11.37	8.22	0.0002	0.62	0.57	150
LAR007300	10yr	15.00	10.05	-0.0002	15.94	15.69	5993

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR007400	10yr	17.00	16.18	-0.0036	16.31	15.94	8652
LAR007500	10yr	17.00	17.40	-0.0042	16.42	16.31	7790
LAR007600	10yr	15.50	15.30	0.0006	146.99	67.68	48394
LAR007700	10yr	16.00	14.49	0.0001	108.64	97.75	91524
LAR007800	10yr	16.00	15.28	0.0001	62.67	22.25	124016
LAR007900	10yr	10.00	9.67	0.0001	127.01	125.91	89469
LAR008000	10yr	12.00	11.16	0.0001	154.19	117.48	141355
LAR008100	10yr	16.00	12.23	0.0003	154.36	154.32	941
LAR008200	10yr	13.00	12.23	0.0002	0.56	0.09	596
LAR008300	10yr	14.01	12.23	0.0002	0.34	0.05	190
LAR008400	10yr	10.59	10.64	0.0001	244.20	225.43	268129
LAR008500	10yr	11.00	11.12	0.0002	96.58	92.20	60135
LAR008600	10yr	13.00	12.14	0.0001	82.31	81.94	53094
LAR008700	10yr	11.00	10.73	0.0001	61.06	57.18	96431
LAR008800	10yr	13.00	11.21	-0.0001	27.72	27.56	13230
LAR008900	10yr	16.00	12.94	0.0000	36.41	32.23	220617
LAR008901	10yr	18.50	13.06	-0.0015	36.42	36.41	100
LAR008902	10yr	20.00	20.58	0.0003	287.12	36.42	199940
LAR009000	10yr	14.00	12.83	0.0001	60.82	60.58	10937
LAR009100	10yr	14.00	13.44	0.0001	38.75	35.44	23555
LAR009200	10yr	15.00	14.25	0.0001	18.14	17.88	11642
LAR009300	10yr	14.00	13.39	0.0002	67.87	63.62	23977
LAR009400	10yr	16.00	13.51	0.0010	12.38	12.35	100
LAR009500	10yr	0.00	14.50	0.0001	0.00	12.37	0
LAR009600	10yr	0.00	13.85	0.0000	44.59	2.57	210877
LAR009700	10yr	15.00	14.17	0.0010	23.35	23.35	434
LAR009800	10yr	15.00	14.33	0.0007	23.34	23.35	496
LAR009900	10yr	14.00	14.54	-0.0002	70.03	23.34	99664
LAR010000	10yr	15.00	14.85	0.0002	57.07	9.57	87815
LAR010100	10yr	14.50	14.41	0.0002	9.60	7.29	9022
LAR010200	10yr	14.51	13.37	0.0006	125.60	61.31	78854
LAR010300	10yr	14.00	11.60	0.0001	27.52	0.68	0
LAR010400	10yr	13.20	13.45	0.0002	72.13	43.67	80168
LAR010500	10yr	13.70	14.18	0.0002	45.03	40.68	35529
LAR010600	10yr	13.00	13.46	0.0002	20.50	17.91	21962
LAR010700	10yr	15.40	14.77	0.0038	25.49	56.20	36004
LAR010800	10yr	14.00	12.90	0.0002	32.22	1.35	0
LAR010900	10yr	14.50	13.12	0.0002	32.53	32.24	15127
LAR011000	10yr	13.90	13.12	0.0002	3.63	3.49	6575
LAR011100	10yr	18.00	19.62	0.0003	76.44	37.84	24194
LAR011600	10yr	9.70	10.41	0.0001	19.93	4.64	51266

Link Min/Max Conditions [LAR_Exist_NormalTide]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR000100	100-yr	1503.32	-176.58	42.27	11.74	11.74	11.74
LAR000200	100-yr	442.02	-98.77	0.62	2.38	7.86	5.11
LAR000300	100-yr	327.07	-83.35	0.91	2.25	3.60	2.54
LAR000400	100-yr	352.66	-10.07	0.72	2.15	4.86	3.26
LAR000500	100-yr	159.19	-4.46	0.25	2.74	4.96	3.45
LAR000600	100-yr	379.00	-33.75	0.44	1.58	-3.26	2.08
LAR000700	100-yr	321.63	-1.35	0.11	2.54	2.82	2.66
LAR000800	100-yr	648.82	-0.40	0.10	3.87	5.15	4.51
LAR000900	100-yr	612.72	-0.22	0.08	3.89	3.67	3.78
LAR001000	100-yr	314.86	-0.09	-0.06	1.50	3.09	1.75
LAR001100	100-yr	274.30	-43.43	3.76	3.81	3.81	3.81
LAR001200	100-yr	256.72	-0.07	-14.71	1.44	0.97	1.20
LAR001300	100-yr	193.72	-0.02	0.38	1.14	1.65	1.10
LAR001400	100-yr	124.23	-3.27	0.58	0.89	1.58	1.07
LAR001500	100-yr	41.31	-23.01	0.48	0.89	2.95	1.87
LAR001600 - Pipe	100-yr	39.48	-5.71	-5.07	0.00	0.00	0.00
LAR001600 - Weir: 1	100-yr	17.55	-5.21	0.30	1.63	1.63	1.63
LAR001600 - Weir: 2	100-yr	21.93	-1.94	-10.13	1.46	1.46	1.46
LAR001700	100-yr	85.18	0.00	-0.13	2.05	3.26	2.22
LAR001800	100-yr	40.55	0.00	-0.02	3.21	1.25	2.21
LAR001900 - Pipe	100-yr	40.37	0.00	0.01	0.00	0.00	0.00
LAR001900 - Weir: 1	100-yr	40.37	0.00	0.01	4.49	4.49	4.49
LAR002000	100-yr	239.87	-17.43	-0.20	1.52	1.98	1.63
LAR002100	100-yr	100.73	0.00	-0.12	1.06	1.12	0.97
LAR002200	100-yr	42.71	0.00	0.02	1.03	0.49	0.76
LAR002300	100-yr	63.90	0.00	-0.03	1.40	1.79	1.58
LAR002400	100-yr	40.53	0.00	0.07	0.89	0.85	0.87
LAR002500	100-yr	58.34	0.00	-0.02	1.35	2.64	1.68
LAR002600	100-yr	42.13	0.00	-0.01	1.01	1.07	1.04
LAR002650	100-yr	197.85	-0.14	-0.10	9.33	9.33	9.33
LAR002700	100-yr	71.96	-0.98	0.04	1.28	2.25	1.75
LAR002800	100-yr	65.95	-0.44	0.04	9.33	9.33	9.33
LAR002900	100-yr	77.90	0.00	-0.26	1.28	1.96	1.49
LAR003000	100-yr	286.53	-7.80	-0.09	1.88	2.77	2.08
LAR003100A	100-yr	462.77	-2.63	2.05	11.57	11.57	11.57
LAR003100B	100-yr	349.89	0.00	0.08	3.98	3.98	3.98
LAR003200	100-yr	806.65	-2.36	-6.84	1.94	1.92	1.93

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR003300A	100-yr	362.91	-138.69	0.62	9.07	9.07	9.07
LAR003300B	100-yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	100-yr	211.53	-80.03	-0.57	0.85	0.53	0.51
LAR003500	100-yr	90.36	0.00	0.07	5.68	5.68	5.68
LAR003600	100-yr	86.04	-1.54	-0.07	5.41	5.41	5.41
LAR003700	100-yr	86.03	-0.21	0.77	6.85	6.85	6.85
LAR003800 - Pipe	100-yr	110.08	0.00	38.04	0.00	0.00	0.00
LAR003800 - Weir: 1	100-yr	67.89	0.00	6.64	3.18	3.18	3.18
LAR003800 - Weir: 2	100-yr	77.84	0.00	39.27	2.11	2.11	2.11
LAR003900	100-yr	90.34	0.00	-0.05	7.19	7.19	7.19
LAR004000	100-yr	70.43	0.00	0.01	39.86	39.86	39.86
LAR004100	100-yr	55.50	0.00	-0.33	4.42	4.42	4.42
LAR004200	100-yr	20.49	-15.21	0.60	11.59	11.89	11.74
LAR004300A - Pipe	100-yr	48.09	0.00	0.02	0.00	0.00	0.00
LAR004300A - Weir: 1	100-yr	48.09	0.00	-0.02	2.87	2.87	2.87
LAR004300B	100-yr	136.36	0.00	-0.16	1.95	5.06	3.21
LAR004500	100-yr	0.00	-5.11	0.04	-1.00	-1.05	-1.03
LAR004600	100-yr	129.81	-4.88	0.04	4.01	4.01	4.01
LAR004700 - Pipe	100-yr	79.48	0.00	-0.33	0.00	0.00	0.00
LAR004700 - Weir: 1	100-yr	79.48	0.00	-0.66	8.83	8.83	8.83
LAR004800	100-yr	3.86	-4.50	0.06	2.30	-4.20	-2.81
LAR004900	100-yr	161.97	-3.90	1.60	8.25	8.86	8.53
LAR005000	100-yr	159.17	-4.92	-3.06	8.11	8.47	8.11
LAR005100	100-yr	155.17	-4.55	2.27	7.90	8.98	7.90
LAR005200	100-yr	49.91	-0.01	-2.04	3.97	3.97	3.97
LAR005300	100-yr	211.31	0.00	-5.37	10.76	10.76	10.76
LAR005400	100-yr	70.89	0.00	-5.49	2.40	2.40	2.40
LAR005500 - Pipe	100-yr	133.09	0.00	-12.87	0.00	0.00	0.00
LAR005500 - Weir: 1	100-yr	33.35	0.00	-0.04	2.08	2.08	2.08
LAR005500 - Weir: 2	100-yr	115.50	0.00	-25.74	1.80	1.80	1.80
LAR005600	100-yr	7.13	-0.45	0.01	9.08	9.08	9.08
LAR005700 - Pipe	100-yr	51.81	0.00	-0.72	0.00	0.00	0.00
LAR005700 - Weir: 1	100-yr	51.81	0.00	-1.43	3.24	3.24	3.24
LAR005800	100-yr	153.12	0.00	0.29	1.50	2.63	1.78
LAR005900 -	100-yr	151.83	0.00	-0.05	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Pipe							
LAR005900 - Weir: 1	100-yr	151.83	0.00	-0.10	9.49	9.49	9.49
LAR006000	100-yr	32.62	-28.88	0.82	3.46	3.81	3.46
LAR006100 - Pipe	100-yr	68.81	0.00	-0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	100-yr	68.81	0.00	-0.01	7.65	7.65	7.65
LAR006200 - Pipe	100-yr	77.08	0.00	-0.02	0.00	0.00	0.00
LAR006200 - Weir: 1	100-yr	77.08	0.00	-0.05	8.56	8.56	8.56
LAR006300	100-yr	42.25	-0.24	-0.08	8.61	8.61	8.61
LAR006400 - Pipe	100-yr	42.23	0.00	-0.15	0.00	0.00	0.00
LAR006400 - Weir: 1	100-yr	42.23	0.00	-0.30	4.69	4.69	4.69
LAR006500 - Pipe	100-yr	44.08	0.00	-0.02	0.00	0.00	0.00
LAR006500 - Weir: 1	100-yr	44.08	0.00	-0.05	4.90	4.90	4.90
LAR006600A	100-yr	25.76	0.00	-0.05	0.94	0.94	0.94
LAR006600B	100-yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	100-yr	23.56	-67.81	3.38	0.91	0.91	0.91
LAR006700B	100-yr	0.00	-65.58	3.23	-0.08	-0.08	-0.08
LAR006700C	100-yr	0.00	-44.57	-33.57	-0.04	-0.04	-0.04
LAR006800A - Pipe	100-yr	73.04	0.00	-0.10	0.00	0.00	0.00
LAR006800A - Weir: 1	100-yr	73.04	0.00	-0.19	8.12	8.12	8.12
LAR006800B	100-yr	79.75	0.00	0.01	2.28	2.28	2.28
LAR006900 - Pipe	100-yr	256.46	0.00	0.23	0.00	0.00	0.00
LAR006900 - Weir: 1	100-yr	61.79	0.00	-0.14	6.87	6.87	6.87
LAR006900 - Weir: 2	100-yr	243.41	0.00	0.22	2.04	2.04	2.04
LAR007000	100-yr	259.27	0.00	-45.97	3.69	7.44	5.21
LAR007100 - Pipe	100-yr	199.07	0.00	-0.06	0.00	0.00	0.00
LAR007100 - Weir: 1	100-yr	66.36	0.00	-0.06	14.75	14.75	14.75
LAR007100 - Weir: 2	100-yr	132.71	0.00	-0.07	14.75	14.75	14.75
LAR007200	100-yr	21.72	-0.04	-0.04	6.92	6.92	6.92
LAR007250	100-yr	21.72	-0.01	-0.11	6.91	6.91	6.91
LAR007300	100-yr	28.30	0.00	-0.01	2.72	2.72	2.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR007400A	100-yr	11.43	0.00	0.02	6.47	7.08	6.77
LAR007400B	100-yr	17.18	0.00	-0.01	3.05	0.81	1.91
LAR007500A	100-yr	9.97	0.00	-0.01	5.64	5.64	5.64
LAR007500B	100-yr	22.28	0.00	-0.10	2.09	3.23	2.65
LAR007600A	100-yr	115.09	0.00	37.00	18.32	18.66	18.45
LAR007600B	100-yr	133.21	0.00	0.04	3.78	3.78	3.78
LAR007700	100-yr	179.07	0.00	-0.15	1.25	3.90	2.52
LAR007800	100-yr	44.33	0.00	-0.14	3.98	5.03	4.51
LAR007900A	100-yr	4.27	-0.65	3.07	0.07	0.07	0.07
LAR007900B	100-yr	8.01	-1.63	-0.58	-0.09	-0.09	-0.09
LAR008000A	100-yr	132.99	0.00	-0.32	9.41	9.41	9.41
LAR008000B	100-yr	119.64	0.00	0.01	4.79	4.79	4.79
LAR008100	100-yr	288.47	0.00	0.76	18.14	18.14	18.14
LAR008200	100-yr	0.26	-0.56	-0.01	-0.04	-1.28	-0.64
LAR008300	100-yr	0.26	-0.62	0.01	-0.25	-2.33	-1.28
LAR008400A	100-yr	4.03	-2.56	-0.05	-0.39	-0.39	-0.39
LAR008400B	100-yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	100-yr	0.05	-4.28	0.04	-1.03	-1.03	-1.03
LAR008500B	100-yr	0.68	-6.59	-0.02	-0.16	-0.16	-0.16
LAR008600A	100-yr	22.71	0.00	0.01	2.00	2.00	2.00
LAR008600B	100-yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	100-yr	2.89	-3.91	-2.33	0.94	0.94	0.94
LAR008700B	100-yr	0.00	-7.55	-0.02	-0.22	-0.22	-0.22
LAR008800	100-yr	17.31	0.00	0.01	1.84	1.84	1.84
LAR008900	100-yr	47.10	0.00	0.00	3.15	3.15	3.15
LAR008901	100-yr	49.84	0.00	-3.63	5.18	5.18	5.18
LAR008902 - Pipe	100-yr	49.85	0.00	-0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	100-yr	49.85	0.00	-0.01	12.46	12.46	12.46
LAR009000	100-yr	34.64	0.00	0.01	2.67	2.67	2.67
LAR009100A	100-yr	13.75	-1.47	-0.09	2.31	-2.56	2.28
LAR009100B	100-yr	46.52	0.00	2.08	1.27	1.27	1.27
LAR009200	100-yr	33.31	0.00	-0.03	1.27	2.45	1.73
LAR009300A	100-yr	4.54	-12.27	-0.99	-1.74	-1.74	-1.74
LAR009300B	100-yr	111.31	-3.41	12.64	2.03	2.03	2.03
LAR009400 - Pipe	100-yr	4.55	-12.32	0.21	0.00	0.00	0.00
LAR009400 - Weir: 1	100-yr	4.55	-12.32	0.20	-2.49	-2.49	-2.49
LAR009600	100-yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	100-yr	40.23	-2.08	1.91	5.43	5.43	5.43
LAR009800	100-yr	40.23	-2.02	2.76	5.43	5.43	5.43
LAR009900	100-yr	40.23	-1.13	0.65	5.43	5.43	5.43
LAR010000A	100-yr	5.59	-5.20	0.01	1.97	-4.16	-2.99
LAR010000B	100-yr	22.91	0.00	0.01	1.61	0.84	1.23
LAR010100	100-yr	11.07	0.00	0.21	4.51	4.51	4.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR010200	100-yr	78.91	0.00	0.02	11.16	11.50	11.33
LAR010400	100-yr	32.00	-0.22	0.02	9.05	9.30	9.18
LAR010500	100-yr	14.38	0.00	-0.01	1.48	0.45	0.96
LAR010600	100-yr	23.44	-22.76	-0.80	0.75	0.65	0.70
LAR010700	100-yr	15.44	-0.06	-0.01	1.58	-0.85	1.04
LAR010900	100-yr	46.78	-1.31	0.03	6.62	7.36	6.98
LAR011000	100-yr	32.46	-0.81	-0.17	0.56	-1.74	-0.89
LAR011100	100-yr	57.70	0.00	0.11	8.16	9.31	8.72
LAR011300	100-yr	29.16	-0.80	-0.06	9.28	9.28	9.28
LAR011500	100-yr	12.68	-0.46	-0.50	0.60	0.60	0.60
LAR011600	100-yr	0.00	-16.22	-5.66	-0.99	-0.99	-0.99
LAR011800	100-yr	2.17	-12.48	0.08	-4.04	-4.25	-4.14
LAR000100	10yr	881.32	-175.19	-42.26	6.89	7.32	6.89
LAR000200	10yr	369.11	-101.41	0.56	2.21	7.53	4.87
LAR000300	10yr	197.49	-87.05	0.61	2.25	3.60	2.54
LAR000400	10yr	197.06	-14.19	0.53	1.71	4.86	3.26
LAR000500	10yr	105.94	-6.93	0.08	2.46	4.96	3.45
LAR000600	10yr	221.92	-44.98	0.48	1.16	-3.26	-2.05
LAR000700	10yr	296.95	-5.33	-0.10	2.45	2.99	2.71
LAR000800	10yr	364.22	-2.17	-0.06	2.72	3.01	2.87
LAR000900	10yr	345.96	-1.50	-0.05	2.93	2.63	2.78
LAR001000	10yr	192.94	-0.88	-0.13	1.21	3.09	1.66
LAR001100	10yr	167.39	-43.42	8.36	-2.94	2.32	-2.41
LAR001200	10yr	156.10	-0.34	1.39	1.39	0.78	1.08
LAR001300	10yr	108.44	-0.28	-0.19	0.89	1.65	0.93
LAR001400	10yr	64.97	-8.14	0.21	0.99	1.58	1.07
LAR001500	10yr	26.75	-16.93	0.60	0.87	2.95	1.87
LAR001600 - Pipe	10yr	25.95	-8.15	0.02	0.00	0.00	0.00
LAR001600 - Weir: 1	10yr	17.21	-8.15	0.03	1.63	1.63	1.63
LAR001600 - Weir: 2	10yr	12.03	0.00	0.00	1.44	1.44	1.44
LAR001700	10yr	64.89	0.00	-0.02	2.40	3.39	2.33
LAR001800	10yr	33.70	0.00	0.01	3.25	1.35	2.28
LAR001900 - Pipe	10yr	33.78	0.00	0.01	0.00	0.00	0.00
LAR001900 - Weir: 1	10yr	33.78	0.00	0.01	3.75	3.75	3.75
LAR002000	10yr	168.96	-21.09	0.20	1.36	1.98	1.46
LAR002100	10yr	63.39	-13.19	0.06	1.01	2.65	1.69
LAR002200	10yr	29.00	0.00	-0.01	0.89	0.40	0.64
LAR002300	10yr	53.58	0.00	-0.01	1.36	1.87	1.60
LAR002400	10yr	9.43	0.00	0.08	0.41	0.77	0.42
LAR002500	10yr	35.09	0.00	-0.02	1.09	2.61	1.68
LAR002600	10yr	23.84	0.00	-0.01	0.81	1.06	0.93
LAR002650	10yr	155.93	-0.15	-0.12	7.35	7.35	7.35

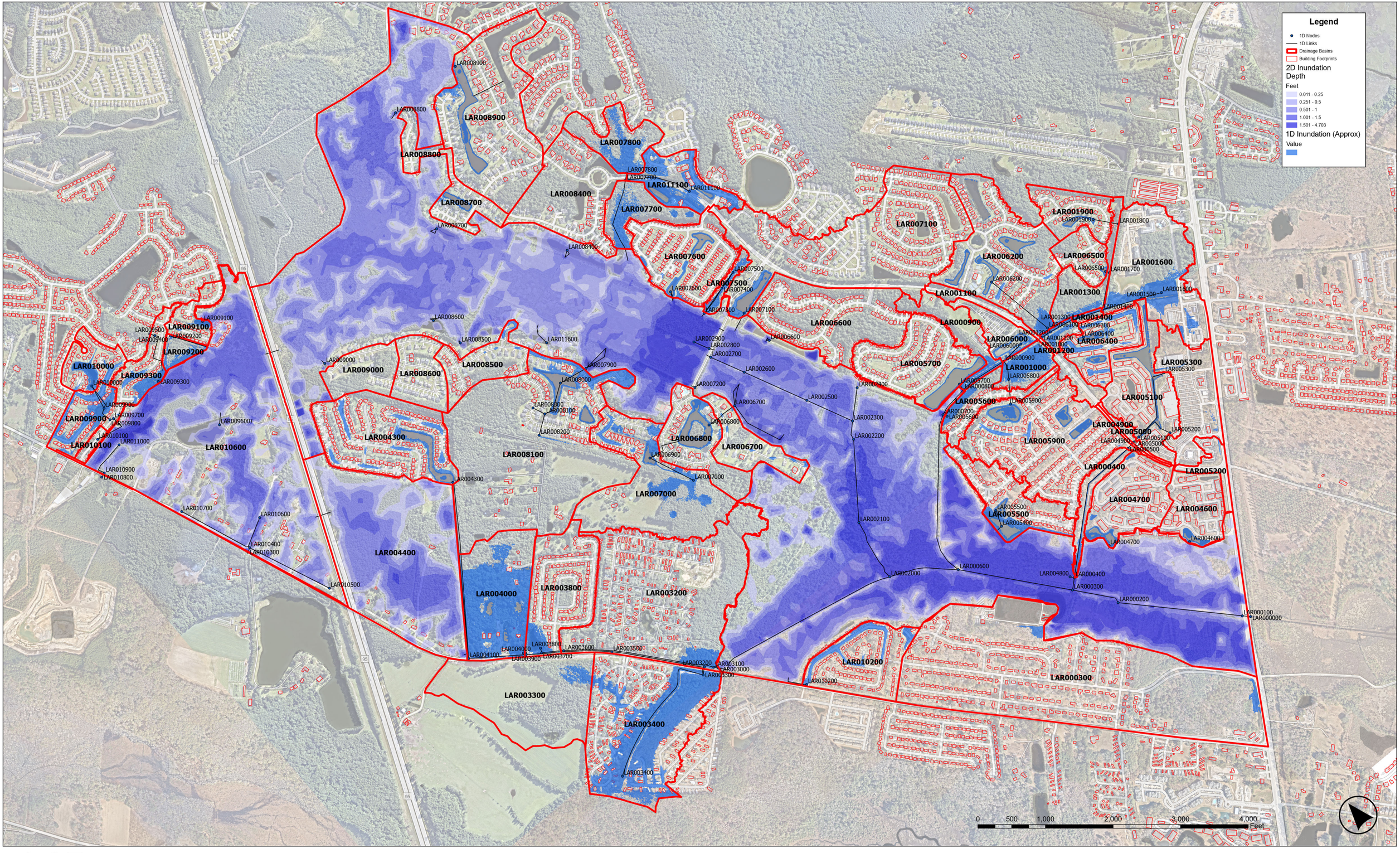
Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR002700	10yr	56.14	-0.92	0.03	1.13	1.96	1.54
LAR002800	10yr	33.52	-0.25	-0.03	4.74	4.74	4.74
LAR002900	10yr	52.43	0.00	0.03	1.26	1.97	1.49
LAR003000	10yr	238.37	-13.79	0.14	1.78	2.78	2.19
LAR003100A	10yr	400.45	-8.09	-4.79	10.01	10.01	10.01
LAR003100B	10yr	47.00	0.00	0.01	1.73	1.73	1.73
LAR003200	10yr	443.20	-7.18	22.46	1.25	1.23	1.24
LAR003300A	10yr	206.96	-103.43	-5.15	5.17	5.17	5.17
LAR003300B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	10yr	121.44	-52.34	-0.17	0.87	-0.64	0.51
LAR003500	10yr	79.05	-0.23	0.16	4.97	4.97	4.97
LAR003600	10yr	65.89	-4.83	-0.45	4.14	4.14	4.14
LAR003700	10yr	66.01	-0.69	0.25	5.25	5.25	5.25
LAR003800 - Pipe	10yr	66.15	0.00	0.02	0.00	0.00	0.00
LAR003800 - Weir: 1	10yr	66.15	0.00	0.02	3.17	3.17	3.17
LAR003800 - Weir: 2	10yr	2.48	0.00	-0.01	0.99	0.99	0.99
LAR003900	10yr	79.03	0.00	0.15	6.29	6.29	6.29
LAR004000	10yr	41.97	0.00	-0.02	23.75	23.75	23.75
LAR004100	10yr	56.14	0.00	-0.50	4.47	4.47	4.47
LAR004200	10yr	20.48	-3.12	1.06	11.59	11.88	11.73
LAR004300A - Pipe	10yr	48.20	0.00	0.02	0.00	0.00	0.00
LAR004300A - Weir: 1	10yr	48.20	0.00	-0.02	2.89	2.89	2.89
LAR004300B	10yr	47.73	0.00	-0.01	1.46	4.97	3.15
LAR004500	10yr	0.00	-2.93	0.06	-0.68	-0.70	-0.69
LAR004600	10yr	69.50	-4.86	0.08	3.52	3.52	3.52
LAR004700 - Pipe	10yr	57.82	0.00	-0.05	0.00	0.00	0.00
LAR004700 - Weir: 1	10yr	57.82	0.00	0.10	6.42	6.42	6.42
LAR004800	10yr	3.95	-4.17	-0.07	2.66	-4.12	-2.72
LAR004900	10yr	108.57	-6.04	0.90	5.82	8.12	6.85
LAR005000	10yr	113.26	-6.03	-1.79	5.96	8.47	7.21
LAR005100	10yr	133.50	-6.02	-1.68	6.80	8.98	7.89
LAR005200	10yr	28.55	-0.02	-3.83	2.27	2.27	2.27
LAR005300	10yr	123.18	-0.23	-4.08	6.27	6.27	6.27
LAR005400	10yr	28.01	0.00	-1.38	2.06	2.06	2.06
LAR005500 - Pipe	10yr	32.22	0.00	0.01	0.00	0.00	0.00
LAR005500 - Weir: 1	10yr	32.22	0.00	0.01	2.01	2.01	2.01
LAR005500 - Weir: 2	10yr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR005600	10yr	5.13	-1.97	-0.02	6.53	6.53	6.53
LAR005700 - Pipe	10yr	37.03	0.00	0.01	0.00	0.00	0.00
LAR005700 - Weir: 1	10yr	37.03	0.00	0.02	2.54	2.54	2.54
LAR005800	10yr	105.57	0.00	-0.03	1.55	2.32	1.56
LAR005900 - Pipe	10yr	105.74	0.00	0.03	0.00	0.00	0.00
LAR005900 - Weir: 1	10yr	105.74	0.00	-0.05	6.61	6.61	6.61
LAR006000	10yr	17.64	-31.27	0.83	3.75	-4.32	-3.65
LAR006100 - Pipe	10yr	60.59	0.00	-0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	10yr	60.59	0.00	0.01	6.73	6.73	6.73
LAR006200 - Pipe	10yr	65.02	0.00	0.01	0.00	0.00	0.00
LAR006200 - Weir: 1	10yr	65.02	0.00	0.02	7.22	7.22	7.22
LAR006300	10yr	29.37	-0.24	0.12	5.98	5.98	5.98
LAR006400 - Pipe	10yr	29.37	0.00	0.01	0.00	0.00	0.00
LAR006400 - Weir: 1	10yr	29.37	0.00	-0.01	3.26	3.26	3.26
LAR006500 - Pipe	10yr	33.47	0.00	0.01	0.00	0.00	0.00
LAR006500 - Weir: 1	10yr	33.47	0.00	0.01	3.72	3.72	3.72
LAR006600A	10yr	24.78	0.00	-0.05	0.94	0.94	0.94
LAR006600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	10yr	18.48	-66.01	6.68	0.71	0.71	0.71
LAR006700B	10yr	0.00	-63.86	6.39	-0.09	-0.09	-0.09
LAR006700C	10yr	0.00	-51.14	48.24	-0.04	-0.04	-0.04
LAR006800A - Pipe	10yr	52.10	0.00	-0.01	0.00	0.00	0.00
LAR006800A - Weir: 1	10yr	52.10	0.00	-0.01	5.79	5.79	5.79
LAR006800B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006900 - Pipe	10yr	118.16	0.00	0.10	0.00	0.00	0.00
LAR006900 - Weir: 1	10yr	66.27	0.00	-0.08	7.36	7.36	7.36
LAR006900 - Weir: 2	10yr	96.98	0.00	0.16	1.63	1.63	1.63
LAR007000	10yr	154.49	0.00	-50.97	3.46	6.48	4.97
LAR007100 - Pipe	10yr	145.99	0.00	0.03	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR007100 - Weir: 1	10yr	49.72	0.00	0.01	11.05	11.05	11.05
LAR007100 - Weir: 2	10yr	96.27	0.00	0.02	10.70	10.70	10.70
LAR007200	10yr	0.57	-0.04	-0.07	0.18	0.18	0.18
LAR007250	10yr	0.62	0.00	0.14	0.20	0.20	0.20
LAR007300	10yr	15.69	0.00	-0.01	2.24	2.24	2.24
LAR007400A	10yr	11.19	0.00	-0.02	6.33	6.98	6.66
LAR007400B	10yr	4.74	0.00	-0.01	2.20	0.39	1.29
LAR007500A	10yr	9.65	0.00	-0.01	5.46	5.46	5.46
LAR007500B	10yr	9.77	0.00	-0.03	1.61	2.69	2.15
LAR007600A	10yr	62.71	0.00	0.26	9.98	16.96	13.47
LAR007600B	10yr	4.97	0.00	0.00	1.51	1.51	1.51
LAR007700	10yr	97.75	0.00	-0.03	0.99	3.90	2.37
LAR007800	10yr	22.25	0.00	-0.03	3.24	4.51	3.57
LAR007900A	10yr	0.44	-0.56	0.02	-0.04	-0.04	-0.04
LAR007900B	10yr	5.92	-1.33	-1.31	-0.09	-0.09	-0.09
LAR008000A	10yr	117.48	0.00	-0.03	8.31	8.31	8.31
LAR008000B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008100	10yr	154.19	0.00	-1.40	9.70	9.70	9.70
LAR008200	10yr	0.09	-0.56	-0.02	-0.04	-1.29	-0.65
LAR008300	10yr	0.05	-0.34	0.01	0.33	-2.04	-1.09
LAR008400A	10yr	3.61	-0.45	0.06	0.33	0.33	0.33
LAR008400B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	10yr	0.00	-2.50	0.08	-0.90	-0.90	-0.90
LAR008500B	10yr	0.00	-4.85	-0.01	-0.13	-0.13	-0.13
LAR008600A	10yr	17.24	0.00	0.01	1.84	1.84	1.84
LAR008600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	10yr	2.68	-1.17	-0.01	0.98	0.98	0.98
LAR008700B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008800	10yr	9.80	0.00	0.00	1.53	1.53	1.53
LAR008900	10yr	32.23	0.00	0.00	2.88	2.88	2.88
LAR008901	10yr	36.41	-0.29	-4.36	3.78	3.78	3.78
LAR008902 - Pipe	10yr	36.42	0.00	0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	10yr	36.42	0.00	0.01	9.10	9.10	9.10
LAR009000	10yr	22.74	0.00	0.00	2.37	2.37	2.37
LAR009100A	10yr	8.85	-1.47	-0.23	2.36	-2.56	2.33
LAR009100B	10yr	27.89	0.00	-5.67	0.91	0.91	0.91
LAR009200	10yr	17.88	0.00	0.01	0.93	2.42	1.68
LAR009300A	10yr	0.00	-12.35	1.10	-1.75	-1.75	-1.75
LAR009300B	10yr	63.62	-0.91	-0.04	1.80	1.80	1.80
LAR009400 - Pipe	10yr	0.00	-12.37	0.00	0.00	0.00	0.00
LAR009400 - Weir: 1	10yr	0.00	-12.38	-0.01	0.00	0.00	0.00

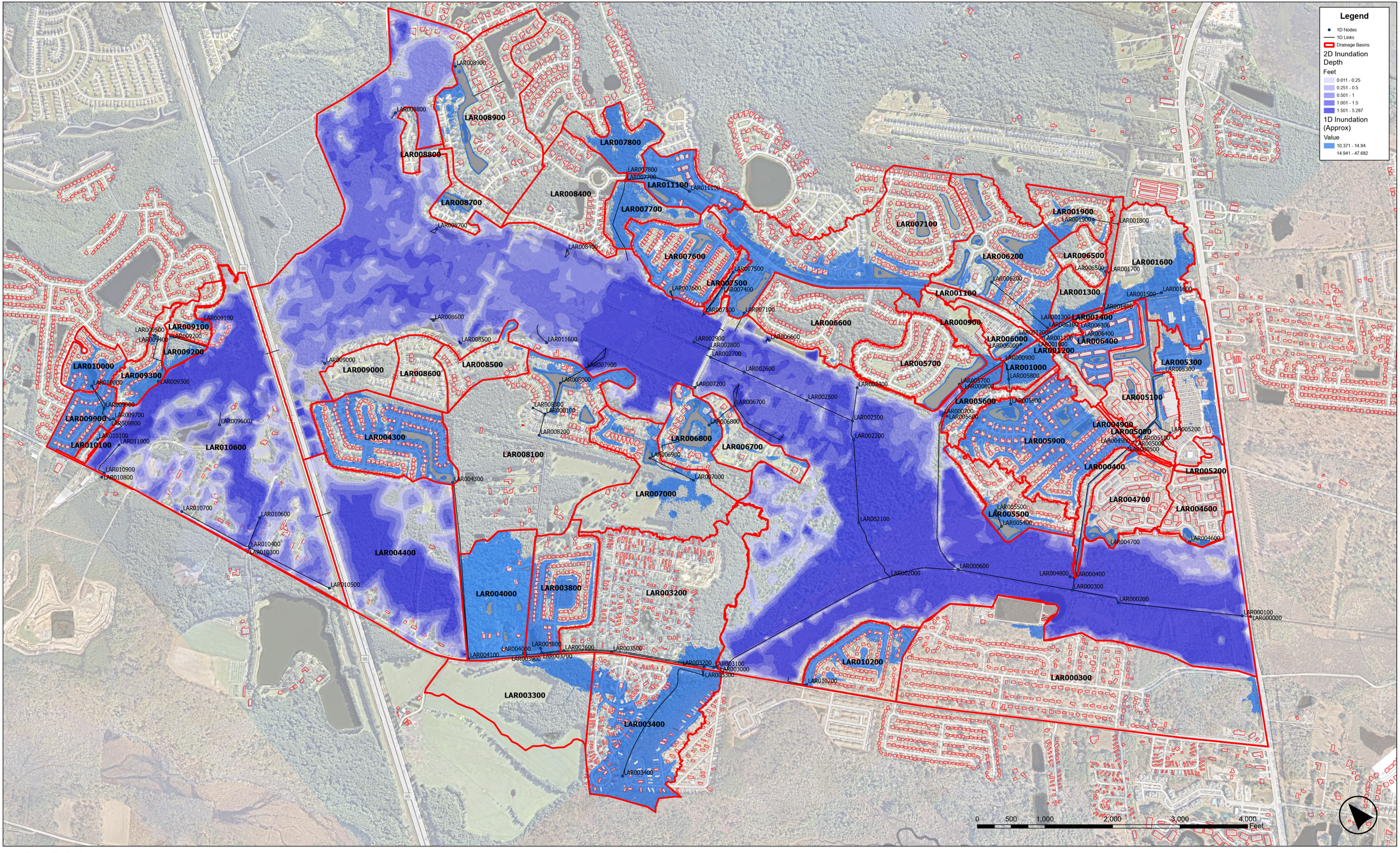
Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR009600	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	10yr	23.35	-3.60	-1.92	3.15	3.15	3.15
LAR009800	10yr	23.35	-3.52	-2.63	3.15	3.15	3.15
LAR009900	10yr	23.34	-3.32	0.64	3.24	3.15	3.19
LAR010000A	10yr	6.62	-5.20	0.03	2.33	-4.16	-2.99
LAR010000B	10yr	4.00	0.00	0.00	1.09	0.48	0.78
LAR010100	10yr	7.29	0.00	0.08	2.97	2.97	2.97
LAR010200	10yr	61.31	0.00	-0.02	8.67	9.30	8.98
LAR010400	10yr	27.52	-0.68	0.01	7.79	8.04	7.91
LAR010500	10yr	13.64	0.00	0.00	1.61	0.60	1.10
LAR010600	10yr	15.03	-11.94	0.45	0.74	0.64	0.69
LAR010700	10yr	13.50	0.00	-0.01	1.53	0.53	1.02
LAR010900	10yr	32.22	-1.35	0.12	4.67	6.84	5.41
LAR011000	10yr	3.49	-0.85	0.25	0.11	-1.76	-0.90
LAR011100	10yr	37.84	0.00	-0.10	5.35	7.59	6.45
LAR011300	10yr	16.98	-0.58	0.07	5.40	5.40	5.40
LAR011500	10yr	0.45	-1.23	0.45	-0.06	-0.06	-0.06
LAR011600	10yr	0.05	-15.96	-5.54	-1.05	-1.05	-1.05
LAR011800	10yr	2.98	-7.70	0.06	-3.65	-4.29	-3.96

Appendix C. Existing Conditions Model Results Maps



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Larchmont Drainage Improvement Study
10-Year Existing Conditions Model Results
04.17.2026



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Larchmont Drainage Improvement Study
100-Year Existing Conditions Model Results
04.17.2026

Appendix D. Proposed Improvements Models Inputs

Manual Basin: LAR000300

Scenario: LAR Prop Imp A
Node: LAR000300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 163.3613 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2851	23	D	Scsiii		
75.7204	22	D	Scsiii		
13.0825	90	D	Scsiii		
29.8628	21	D	Scsiii		
0.2223	24	D	Scsiii		
24.9253	42	D	Scsiii		
0.5063	90	C	Scsiii		
6.9631	22	C	Scsiii		
5.1646	21	C	Scsiii		
0.6288	42	C	Scsiii		
0.0001	95	D	Scsiii		

Comment:

Manual Basin: LAR000400

Scenario: LAR Prop Imp A
Node: LAR000400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 7.8410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0321	42	D	Scsiii		
1.3306	22	D	Scsiii		
1.3304	90	D	Scsiii		
0.4118	90	C	Scsiii		
0.6514	21	C	Scsiii		
0.0077	21	D	Scsiii		
3.7570	22	C	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2886	23	C	Scsiii		
0.0315	23	D	Scsiii		

Comment:

Manual Basin: LAR000900

Scenario: LAR Prop Imp A
Node: LAR000900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 22.8316 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
1.5744	21	D	Scsiii		
1.3762	23	D	Scsiii		
8.3478	22	D	Scsiii		
8.0848	90	D	Scsiii		
0.0030	11	D	Scsiii		
0.0002	95	D	Scsiii		
0.4257	42	D	Scsiii		

Comment:

Manual Basin: LAR001000

Scenario: LAR Prop Imp A
Node: LAR001000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 9.1192 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
0.2260	21	D	Scsiii		
0.0876	23	D	Scsiii		
0.5744	22	D	Scsiii		
5.2117	90	D	Scsiii		

Comment:

Manual Basin: LAR001100

Scenario: LAR Prop Imp A
Node: LAR001100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 11.0296 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4499	23	C	Scsiii		
2.9701	22	C	Scsiii		
1.0714	23	D	Scsiii		
6.3371	22	D	Scsiii		
0.1008	21	C	Scsiii		
0.1002	21	D	Scsiii		

Comment:

Manual Basin: LAR001200

Scenario: LAR Prop Imp A
Node: LAR001200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0

Area: 3.3367 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2365	23	D	Scsiii		
1.1542	22	D	Scsiii		
1.9460	90	D	Scsiii		

Comment:

Manual Basin: LAR001300

Scenario: LAR Prop Imp A
Node: LAR001300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.9971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1879	90	D	Scsiii		
2.7539	22	D	Scsiii		
0.5321	21	D	Scsiii		
0.1880	23	D	Scsiii		
0.3351	42	D	Scsiii		

Comment:

Manual Basin: LAR001400

Scenario: LAR Prop Imp A
Node: LAR001400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.2245 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1931	22	D	Scsiii		
0.1843	23	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8472	90	D	Scsiii		

Comment:

Manual Basin: LAR001600

Scenario: LAR Prop Imp A
Node: LAR001600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 46.3324 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.4784	23	D	Scsiii		
4.3291	22	D	Scsiii		
1.3472	24	D	Scsiii		
17.4052	21	D	Scsiii		
15.5166	90	D	Scsiii		
0.2224	95	D	Scsiii		
0.0335	42	D	Scsiii		

Comment:

Manual Basin: LAR001900

Scenario: LAR Prop Imp A
Node: LAR001900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.0731 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1687	23	D	Scsiii		
9.1291	22	D	Scsiii		
1.3803	90	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1472	21	D	Scsiii		
0.2478	42	D	Scsiii		

Comment:

Manual Basin: LAR003200

Scenario: LAR Prop Imp A
Node: LAR003200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 99.3220 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
55.4221	22	D	Scsiii		
8.7806	21	D	Scsiii		
3.9251	90	D	Scsiii		
12.3228	42	D	Scsiii		
9.2042	43	D	Scsiii		
1.5175	22	C	Scsiii		
0.1644	21	C	Scsiii		
0.0065	52	D	Scsiii		
7.9788	23	D	Scsiii		

Comment:

Manual Basin: LAR003300

Scenario: LAR Prop Imp A
Node: LAR003300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 55.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 56.1169 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9746	22	D	Scsiii		
3.8342	21	D	Scsiii		
27.4673	81	D	Scsiii		
15.5886	42	D	Scsiii		
7.0299	90	D	Scsiii		
0.2223	82	D	Scsiii		

Comment:

Manual Basin: LAR003400

Scenario: LAR Prop Imp A
Node: LAR003400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 58.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 74.7372 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.9253	90	D	Scsiii		
25.4688	22	D	Scsiii		
17.6413	23	D	Scsiii		
5.6667	21	D	Scsiii		
0.1605	21	C	Scsiii		
4.3785	22	C	Scsiii		
0.0100	90	C	Scsiii		
2.2847	23	C	Scsiii		
0.2013	42	D	Scsiii		

Comment:

Manual Basin: LAR003800

Scenario: LAR Prop Imp A
Node: LAR003800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323

Peaking Factor: 323.0
Area: 35.8661 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.2078	22	D	Scsiii		
5.8082	21	D	Scsiii		
19.4712	23	D	Scsiii		
0.3788	42	D	Scsiii		

Comment:

Manual Basin: LAR004000

Scenario: LAR Prop Imp A
Node: LAR004000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 87.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 41.4050 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4907	22	D	Scsiii		
13.0903	21	D	Scsiii		
11.7169	42	D	Scsiii		
10.8848	90	D	Scsiii		
0.2223	81	D	Scsiii		

Comment:

Manual Basin: LAR004300

Scenario: LAR Prop Imp A
Node: LAR004300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 48.8051 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3341	42	D	Scsiii		
15.1149	22	D	Scsiii		
32.8312	23	D	Scsiii		
0.0938	90	D	Scsiii		
0.4312	21	D	Scsiii		

Comment:

Manual Basin: LAR004600

Scenario: LAR Prop Imp A
Node: LAR004600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.1813 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5107	23	D	Scsiii		
0.7369	22	D	Scsiii		
0.0876	21	D	Scsiii		
12.0156	23	C	Scsiii		
0.0748	90	D	Scsiii		
2.4910	22	C	Scsiii		
0.2647	24	C	Scsiii		

Comment:

Manual Basin: LAR004700

Scenario: LAR Prop Imp A
Node: LAR004700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 27.8217 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
16.8365	23	C	Scsiii		
1.0104	24	C	Scsiii		
5.0449	22	C	Scsiii		
1.2811	90	D	Scsiii		
0.6893	90	C	Scsiii		
1.2265	23	D	Scsiii		
1.0517	22	D	Scsiii		
0.6222	21	C	Scsiii		
0.0591	24	D	Scsiii		

Comment:

Manual Basin: LAR004900

Scenario: LAR Prop Imp A
Node: LAR004900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.1680 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2073	23	D	Scsiii		
0.7258	22	D	Scsiii		
0.1251	22	C	Scsiii		
0.1098	23	C	Scsiii		

Comment:

Manual Basin: LAR005000

Scenario: LAR Prop Imp A
Node: LAR005000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.0436 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7689	23	D	Scsiii		
1.0343	22	D	Scsiii		
0.1478	23	C	Scsiii		
0.0926	22	C	Scsiii		

Comment:

Manual Basin: LAR005100

Scenario: LAR Prop Imp A
Node: LAR005100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 32.1432 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
22.4288	23	D	Scsiii		
2.5371	24	D	Scsiii		
3.0359	22	D	Scsiii		
2.8111	23	C	Scsiii		
1.1333	22	C	Scsiii		
0.1970	90	D	Scsiii		

Comment:

Manual Basin: LAR005200

Scenario: LAR Prop Imp A
Node: LAR005200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.7721 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6729	23	C	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7098	22	C	Scsiii		
1.5514	23	D	Scsiii		
0.3037	22	D	Scsiii		
0.3429	24	D	Scsiii		
0.1913	24	C	Scsiii		

Comment:

Manual Basin: LAR005300

Scenario: LAR Prop Imp A
Node: LAR005300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 28.1912 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1596	24	D	Scsiii		
10.5503	23	D	Scsiii		
0.5029	22	C	Scsiii		
0.9722	23	C	Scsiii		
3.9485	22	D	Scsiii		
0.2231	24	C	Scsiii		
1.1122	21	D	Scsiii		
1.7225	90	D	Scsiii		

Comment:

Manual Basin: LAR005500

Scenario: LAR Prop Imp A
Node: LAR005500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.4457 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9794	90	D	Scsiii		
0.0059	21	D	Scsiii		
1.6456	21	C	Scsiii		
1.9226	90	C	Scsiii		
6.9775	23	C	Scsiii		
9.5938	22	C	Scsiii		
0.1904	22	D	Scsiii		
0.8895	11	D	Scsiii		
0.9725	95	D	Scsiii		
0.0459	95	C	Scsiii		
0.2225	42	C	Scsiii		

Comment:

Manual Basin: LAR005600

Scenario: LAR Prop Imp A
Node: LAR005600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.4929 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4244	22	D	Scsiii		
0.9347	22	C	Scsiii		
2.1199	23	C	Scsiii		
0.0518	90	C	Scsiii		
0.1821	42	C	Scsiii		
0.3861	21	C	Scsiii		
2.5705	23	D	Scsiii		
3.6010	90	D	Scsiii		
0.2224	21	D	Scsiii		

Comment:

Manual Basin: LAR005700

Scenario: LAR Prop Imp A
Node: LAR005700
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 35.2081 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7624	90	D	Scsiii		
1.9608	11	D	Scsiii		
1.2221	95	D	Scsiii		
19.1197	23	D	Scsiii		
12.1244	22	D	Scsiii		
0.0188	21	D	Scsiii		

Comment:

Manual Basin: LAR005900

Scenario: LAR Prop Imp A
Node: LAR005900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 62.7006 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.8595	22	C	Scsiii		
16.2772	23	C	Scsiii		
14.0818	22	D	Scsiii		
16.9629	23	D	Scsiii		
1.2566	21	C	Scsiii		
0.2223	21	D	Scsiii		
0.0402	42	C	Scsiii		

Comment:

Manual Basin: LAR006000

Scenario: LAR Prop Imp A
Node: LAR006000
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.1806 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8756	22	D	Scsiii		
1.1295	90	D	Scsiii		
0.8896	95	D	Scsiii		
3.8184	23	D	Scsiii		
0.4448	24	D	Scsiii		
0.0229	21	D	Scsiii		

Comment:

Manual Basin: LAR006200

Scenario: LAR Prop Imp A
Node: LAR006200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 55.4609 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.6192	90	D	Scsiii		
28.0860	23	D	Scsiii		
18.8355	22	D	Scsiii		
1.7434	21	D	Scsiii		
0.1768	42	D	Scsiii		

Comment:

Manual Basin: LAR006400

Scenario: LAR Prop Imp A
Node: LAR006400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 18.6120 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0435	22	C	Scsiii		
0.3994	23	C	Scsiii		
15.6006	23	D	Scsiii		
2.5531	22	D	Scsiii		
0.0153	90	D	Scsiii		

Comment:

Manual Basin: LAR006500

Scenario: LAR Prop Imp A
Node: LAR006500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.5421 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.0697	22	D	Scsiii		
1.2672	90	D	Scsiii		
3.8336	23	D	Scsiii		
0.3716	21	D	Scsiii		

Comment:

Manual Basin: LAR006600

Scenario: LAR Prop Imp A
Node: LAR006600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0

Area: 46.1188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.6177	22	D	Scsiii		
17.3131	23	D	Scsiii		
3.6295	21	D	Scsiii		
3.4391	42	D	Scsiii		
3.1194	90	D	Scsiii		

Comment:

Manual Basin: LAR006700

Scenario: LAR Prop Imp A
Node: LAR006700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.8612 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4072	42	D	Scsiii		
3.3223	90	D	Scsiii		
10.8478	22	D	Scsiii		
0.0022	43	D	Scsiii		
0.3921	95	D	Scsiii		
0.2224	21	D	Scsiii		
0.6672	23	D	Scsiii		

Comment:

Manual Basin: LAR006800

Scenario: LAR Prop Imp A
Node: LAR006800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.9532 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8208	42	D	Scsiii		
1.3169	43	D	Scsiii		
12.9960	22	D	Scsiii		
4.6729	23	D	Scsiii		
0.9136	21	D	Scsiii		
0.2223	24	D	Scsiii		
0.0107	90	D	Scsiii		

Comment:

Manual Basin: LAR007000

Scenario: LAR Prop Imp A
Node: LAR007000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 55.5325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
20.5397	42	D	Scsiii		
12.2825	21	D	Scsiii		
2.1547	43	D	Scsiii		
9.7699	22	D	Scsiii		
4.9281	23	D	Scsiii		
5.8577	81	D	Scsiii		

Comment:

Manual Basin: LAR007100

Scenario: LAR Prop Imp A
Node: LAR007100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 96.5767 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
51.2573	22	D	Scsiii		
1.3962	90	D	Scsiii		
1.2265	42	D	Scsiii		
38.0412	23	D	Scsiii		
4.6555	21	D	Scsiii		

Comment:

Manual Basin: LAR007500

Scenario: LAR Prop Imp A
Node: LAR007500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 3.9172 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1576	21	D	Scsiii		
2.1213	22	D	Scsiii		
0.0368	90	D	Scsiii		
0.6017	23	D	Scsiii		

Comment:

Manual Basin: LAR007600

Scenario: LAR Prop Imp A
Node: LAR007600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 33.7240 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1632	21	D	Scsiii		
22.4565	23	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1854	90	D	Scsiii		
10.9190	22	D	Scsiii		

Comment:

Manual Basin: LAR007700

Scenario: LAR Prop Imp A
Node: LAR007700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.6352 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6377	23	D	Scsiii		
3.0798	22	D	Scsiii		
10.4496	90	D	Scsiii		
0.4950	21	D	Scsiii		
0.9731	42	D	Scsiii		

Comment:

Manual Basin: LAR007800

Scenario: LAR Prop Imp A
Node: LAR007800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.1221 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8697	21	D	Scsiii		
3.3021	22	D	Scsiii		
11.6903	90	D	Scsiii		
0.2599	23	D	Scsiii		

Comment:

Manual Basin: LAR008100

Scenario: LAR Prop Imp A
Node: LAR008100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 90.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 124.5083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
24.6174	21	D	Scsiii		
7.2634	81	D	Scsiii		
49.5817	42	D	Scsiii		
28.5103	22	D	Scsiii		
12.9865	23	D	Scsiii		
0.0860	43	D	Scsiii		
0.2223	11	D	Scsiii		
1.2407	90	D	Scsiii		

Comment:

Manual Basin: LAR008400

Scenario: LAR Prop Imp A
Node: LAR008400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 38.9356 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.9496	90	D	Scsiii		
16.0178	22	D	Scsiii		
10.2117	23	D	Scsiii		
2.7565	21	D	Scsiii		

Comment:

Manual Basin: LAR008500

Scenario: LAR Prop Imp A
Node: LAR008500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.4188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.6831	22	D	Scsiii		
4.1302	23	D	Scsiii		
2.4109	42	D	Scsiii		
2.1946	21	D	Scsiii		

Comment:

Manual Basin: LAR008600

Scenario: LAR Prop Imp A
Node: LAR008600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.6652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1403	42	D	Scsiii		
14.4857	22	D	Scsiii		
1.5827	23	D	Scsiii		
0.4565	21	D	Scsiii		

Comment:

Manual Basin: LAR008700

Scenario: LAR Prop Imp A
Node: LAR008700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.0888 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4335	21	D	Scsiii		
6.5558	22	D	Scsiii		
2.7265	90	D	Scsiii		
1.3730	23	D	Scsiii		

Comment:

Manual Basin: LAR008800

Scenario: LAR Prop Imp A
Node: LAR008800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.2543 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2919	90	D	Scsiii		
2.8681	22	D	Scsiii		
0.2222	23	D	Scsiii		
0.8720	21	D	Scsiii		

Comment:

Manual Basin: LAR008900

Scenario: LAR Prop Imp A
Node: LAR008902
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 68.3345 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
38.7323	22	D	Scsiii		
7.5980	21	D	Scsiii		
5.9903	90	D	Scsiii		
14.6797	23	D	Scsiii		
0.6671	95	D	Scsiii		
0.2223	42	D	Scsiii		
0.4448	11	D	Scsiii		

Comment:

Manual Basin: LAR009000

Scenario: LAR Prop Imp A
Node: LAR009000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.2998 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.8716	22	D	Scsiii		
1.7574	42	D	Scsiii		
1.1528	23	D	Scsiii		
3.0557	21	D	Scsiii		
1.4622	90	D	Scsiii		

Comment:

Manual Basin: LAR009100

Scenario: LAR Prop Imp A
Node: LAR009100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 8.9605 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.0688	22	D	Scsiii		
0.0172	21	D	Scsiii		
4.8013	23	D	Scsiii		
0.0731	90	D	Scsiii		

Comment:

Manual Basin: LAR009200

Scenario: LAR Prop Imp A
Node: LAR009200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 4.5776 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0083	90	D	Scsiii		
1.9020	21	D	Scsiii		
1.0338	22	D	Scsiii		
1.3968	42	D	Scsiii		
0.2368	23	D	Scsiii		

Comment:

Manual Basin: LAR009300

Scenario: LAR Prop Imp A
Node: LAR009300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0

Area: 12.8677 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6567	22	D	Scsiii		
0.3058	90	D	Scsiii		
0.3868	21	D	Scsiii		
0.0303	42	D	Scsiii		
7.4881	23	D	Scsiii		

Comment:

Manual Basin: LAR009900

Scenario: LAR Prop Imp A
Node: LAR009900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.1773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.3347	23	D	Scsiii		
5.8426	22	D	Scsiii		

Comment:

Manual Basin: LAR010000

Scenario: LAR Prop Imp A
Node: LAR010000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 13.0178 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2003	22	D	Scsiii		
9.8175	23	D	Scsiii		

Comment:

Manual Basin: LAR010100

Scenario: LAR Prop Imp A
Node: LAR010100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.1736 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2637	22	D	Scsiii		
1.9099	23	D	Scsiii		

Comment:

Manual Basin: LAR010200

Scenario: LAR Prop Imp A
Node: LAR010200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 29.6379 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
19.9751	22	D	Scsiii		
2.6914	21	D	Scsiii		
6.8833	23	D	Scsiii		
0.0880	90	D	Scsiii		

Comment:

Manual Basin: LAR011100

Scenario: LAR Prop Imp A

Node: LAR011100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.2700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.5973	22	D	Scsiii		
1.1829	21	D	Scsiii		
1.0440	90	D	Scsiii		
7.3067	23	D	Scsiii		
0.1390	42	D	Scsiii		

Comment:

Manual Basin: LAR000300

Scenario: LAR Prop Imp B
Node: LAR000300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 163.3613 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2851	23	D	Scsiii		
75.7204	22	D	Scsiii		
13.0825	90	D	Scsiii		
29.8628	21	D	Scsiii		
0.2223	24	D	Scsiii		
24.9253	42	D	Scsiii		
0.5063	90	C	Scsiii		
6.9631	22	C	Scsiii		
5.1646	21	C	Scsiii		
0.6288	42	C	Scsiii		
0.0001	95	D	Scsiii		

Comment:

Manual Basin: LAR000400

Scenario: LAR Prop Imp B
Node: LAR000400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 7.8410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0321	42	D	Scsiii		
1.3306	22	D	Scsiii		
1.3304	90	D	Scsiii		
0.4118	90	C	Scsiii		
0.6514	21	C	Scsiii		
0.0077	21	D	Scsiii		
3.7570	22	C	Scsiii		
0.2886	23	C	Scsiii		
0.0315	23	D	Scsiii		

Comment:

Manual Basin: LAR000900

Scenario: LAR Prop Imp B
Node: LAR000900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 22.8316 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
1.5744	21	D	Scsiii		
1.3762	23	D	Scsiii		
8.3478	22	D	Scsiii		
8.0848	90	D	Scsiii		
0.0030	11	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0002	95	D	Scsiii		
0.4257	42	D	Scsiii		

Comment:

Manual Basin: LAR001000

Scenario: LAR Prop Imp B
Node: LAR001000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 9.1192 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
0.2260	21	D	Scsiii		
0.0876	23	D	Scsiii		
0.5744	22	D	Scsiii		
5.2117	90	D	Scsiii		

Comment:

Manual Basin: LAR001100

Scenario: LAR Prop Imp B
Node: LAR001100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 11.0296 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4499	23	C	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9701	22	C	Scsiii		
1.0714	23	D	Scsiii		
6.3371	22	D	Scsiii		
0.1008	21	C	Scsiii		
0.1002	21	D	Scsiii		

Comment:

Manual Basin: LAR001200

Scenario: LAR Prop Imp B
Node: LAR001200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 3.3367 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2365	23	D	Scsiii		
1.1542	22	D	Scsiii		
1.9460	90	D	Scsiii		

Comment:

Manual Basin: LAR001300

Scenario: LAR Prop Imp B
Node: LAR001300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.9971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1879	90	D	Scsiii		
2.7539	22	D	Scsiii		
0.5321	21	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1880	23	D	Scsiii		
0.3351	42	D	Scsiii		

Comment:

Manual Basin: LAR001400

Scenario: LAR Prop Imp B
Node: LAR001400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.2245 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1931	22	D	Scsiii		
0.1843	23	D	Scsiii		
0.8472	90	D	Scsiii		

Comment:

Manual Basin: LAR001600

Scenario: LAR Prop Imp B
Node: LAR001600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 46.3324 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.4784	23	D	Scsiii		
4.3291	22	D	Scsiii		
1.3472	24	D	Scsiii		
17.4052	21	D	Scsiii		
15.5166	90	D	Scsiii		
0.2224	95	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0335	42	D	Scsiii		

Comment:

Manual Basin: LAR001900

Scenario: LAR Prop Imp B
Node: LAR001900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.0731 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1687	23	D	Scsiii		
9.1291	22	D	Scsiii		
1.3803	90	D	Scsiii		
0.1472	21	D	Scsiii		
0.2478	42	D	Scsiii		

Comment:

Manual Basin: LAR003200

Scenario: LAR Prop Imp B
Node: LAR003200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 99.3220 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
55.4221	22	D	Scsiii		
8.7806	21	D	Scsiii		
3.9251	90	D	Scsiii		
12.3228	42	D	Scsiii		
9.2042	43	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5175	22	C	Scsiii		
0.1644	21	C	Scsiii		
0.0065	52	D	Scsiii		
7.9788	23	D	Scsiii		

Comment:

Manual Basin: LAR003300

Scenario: LAR Prop Imp B
Node: LAR003300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 55.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 56.1169 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9746	22	D	Scsiii		
3.8342	21	D	Scsiii		
27.4673	81	D	Scsiii		
15.5886	42	D	Scsiii		
7.0299	90	D	Scsiii		
0.2223	82	D	Scsiii		

Comment:

Manual Basin: LAR003400

Scenario: LAR Prop Imp B
Node: LAR003400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 58.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 74.7372 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.9253	90	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
25.4688	22	D	Scsiii		
17.6413	23	D	Scsiii		
5.6667	21	D	Scsiii		
0.1605	21	C	Scsiii		
4.3785	22	C	Scsiii		
0.0100	90	C	Scsiii		
2.2847	23	C	Scsiii		
0.2013	42	D	Scsiii		

Comment:

Manual Basin: LAR003800

Scenario: LAR Prop Imp B
Node: LAR003800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 35.8661 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.2078	22	D	Scsiii		
5.8082	21	D	Scsiii		
19.4712	23	D	Scsiii		
0.3788	42	D	Scsiii		

Comment:

Manual Basin: LAR004000

Scenario: LAR Prop Imp B
Node: LAR004000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 87.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 41.4050 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4907	22	D	Scsiii		
13.0903	21	D	Scsiii		
11.7169	42	D	Scsiii		
10.8848	90	D	Scsiii		
0.2223	81	D	Scsiii		

Comment:

Manual Basin: LAR004300

Scenario: LAR Prop Imp B
Node: LAR004300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 48.8051 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3341	42	D	Scsiii		
15.1149	22	D	Scsiii		
32.8312	23	D	Scsiii		
0.0938	90	D	Scsiii		
0.4312	21	D	Scsiii		

Comment:

Manual Basin: LAR004600

Scenario: LAR Prop Imp B
Node: LAR004600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.1813 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5107	23	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7369	22	D	Scsiii		
0.0876	21	D	Scsiii		
12.0156	23	C	Scsiii		
0.0748	90	D	Scsiii		
2.4910	22	C	Scsiii		
0.2647	24	C	Scsiii		

Comment:

Manual Basin: LAR004700

Scenario: LAR Prop Imp B
Node: LAR004700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 27.8217 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
16.8365	23	C	Scsiii		
1.0104	24	C	Scsiii		
5.0449	22	C	Scsiii		
1.2811	90	D	Scsiii		
0.6893	90	C	Scsiii		
1.2265	23	D	Scsiii		
1.0517	22	D	Scsiii		
0.6222	21	C	Scsiii		
0.0591	24	D	Scsiii		

Comment:

Manual Basin: LAR004900

Scenario: LAR Prop Imp B
Node: LAR004900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323

Peaking Factor: 323.0
Area: 1.1680 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2073	23	D	Scsiii		
0.7258	22	D	Scsiii		
0.1251	22	C	Scsiii		
0.1098	23	C	Scsiii		

Comment:

Manual Basin: LAR005000

Scenario: LAR Prop Imp B
Node: LAR005000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.0436 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7689	23	D	Scsiii		
1.0343	22	D	Scsiii		
0.1478	23	C	Scsiii		
0.0926	22	C	Scsiii		

Comment:

Manual Basin: LAR005100

Scenario: LAR Prop Imp B
Node: LAR005100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 32.1432 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
22.4288	23	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5371	24	D	Scsiii		
3.0359	22	D	Scsiii		
2.8111	23	C	Scsiii		
1.1333	22	C	Scsiii		
0.1970	90	D	Scsiii		

Comment:

Manual Basin: LAR005200

Scenario: LAR Prop Imp B
Node: LAR005200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.7721 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6729	23	C	Scsiii		
2.7098	22	C	Scsiii		
1.5514	23	D	Scsiii		
0.3037	22	D	Scsiii		
0.3429	24	D	Scsiii		
0.1913	24	C	Scsiii		

Comment:

Manual Basin: LAR005300

Scenario: LAR Prop Imp B
Node: LAR005300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 28.1912 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1596	24	D	Scsiii		
10.5503	23	D	Scsiii		
0.5029	22	C	Scsiii		
0.9722	23	C	Scsiii		
3.9485	22	D	Scsiii		
0.2231	24	C	Scsiii		
1.1122	21	D	Scsiii		
1.7225	90	D	Scsiii		

Comment:

Manual Basin: LAR005500

Scenario: LAR Prop Imp B
Node: LAR005500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.4457 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9794	90	D	Scsiii		
0.0059	21	D	Scsiii		
1.6456	21	C	Scsiii		
1.9226	90	C	Scsiii		
6.9775	23	C	Scsiii		
9.5938	22	C	Scsiii		
0.1904	22	D	Scsiii		
0.8895	11	D	Scsiii		
0.9725	95	D	Scsiii		
0.0459	95	C	Scsiii		
0.2225	42	C	Scsiii		

Comment:

Manual Basin: LAR005600

Scenario: LAR Prop Imp B
Node: LAR005600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.4929 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4244	22	D	Scsiii		
0.9347	22	C	Scsiii		
2.1199	23	C	Scsiii		
0.0518	90	C	Scsiii		
0.1821	42	C	Scsiii		
0.3861	21	C	Scsiii		
2.5705	23	D	Scsiii		
3.6010	90	D	Scsiii		
0.2224	21	D	Scsiii		

Comment:

Manual Basin: LAR005700

Scenario: LAR Prop Imp B
Node: LAR005700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 35.2081 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7624	90	D	Scsiii		
1.9608	11	D	Scsiii		
1.2221	95	D	Scsiii		
19.1197	23	D	Scsiii		
12.1244	22	D	Scsiii		
0.0188	21	D	Scsiii		

Comment:

Manual Basin: LAR005900

Scenario: LAR Prop Imp B
Node: LAR005900

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 62.7006 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.8595	22	C	Scsiii		
16.2772	23	C	Scsiii		
14.0818	22	D	Scsiii		
16.9629	23	D	Scsiii		
1.2566	21	C	Scsiii		
0.2223	21	D	Scsiii		
0.0402	42	C	Scsiii		

Comment:

Manual Basin: LAR006000

Scenario: LAR Prop Imp B
Node: LAR006000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.1806 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8756	22	D	Scsiii		
1.1295	90	D	Scsiii		
0.8896	95	D	Scsiii		
3.8184	23	D	Scsiii		
0.4448	24	D	Scsiii		
0.0229	21	D	Scsiii		

Comment:

Manual Basin: LAR006200

Scenario: LAR Prop Imp B
Node: LAR006200

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 55.4609 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.6192	90	D	Scsiii		
28.0860	23	D	Scsiii		
18.8355	22	D	Scsiii		
1.7434	21	D	Scsiii		
0.1768	42	D	Scsiii		

Comment:

Manual Basin: LAR006400

Scenario: LAR Prop Imp B
Node: LAR006400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 18.6120 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0435	22	C	Scsiii		
0.3994	23	C	Scsiii		
15.6006	23	D	Scsiii		
2.5531	22	D	Scsiii		
0.0153	90	D	Scsiii		

Comment:

Manual Basin: LAR006500

Scenario: LAR Prop Imp B
Node: LAR006500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.5421 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.0697	22	D	Scsiii		
1.2672	90	D	Scsiii		
3.8336	23	D	Scsiii		
0.3716	21	D	Scsiii		

Comment:

Manual Basin: LAR006600

Scenario: LAR Prop Imp B
Node: LAR006600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 46.1188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.6177	22	D	Scsiii		
17.3131	23	D	Scsiii		
3.6295	21	D	Scsiii		
3.4391	42	D	Scsiii		
3.1194	90	D	Scsiii		

Comment:

Manual Basin: LAR006700

Scenario: LAR Prop Imp B
Node: LAR006700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0

Area: 16.8612 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4072	42	D	Scsiii		
3.3223	90	D	Scsiii		
10.8478	22	D	Scsiii		
0.0022	43	D	Scsiii		
0.3921	95	D	Scsiii		
0.2224	21	D	Scsiii		
0.6672	23	D	Scsiii		

Comment:

Manual Basin: LAR006800

Scenario: LAR Prop Imp B
Node: LAR006800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.9532 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8208	42	D	Scsiii		
1.3169	43	D	Scsiii		
12.9960	22	D	Scsiii		
4.6729	23	D	Scsiii		
0.9136	21	D	Scsiii		
0.2223	24	D	Scsiii		
0.0107	90	D	Scsiii		

Comment:

Manual Basin: LAR007000

Scenario: LAR Prop Imp B
Node: LAR007000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323

Peaking Factor: 323.0
Area: 55.5325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
20.5397	42	D	Scsiii		
12.2825	21	D	Scsiii		
2.1547	43	D	Scsiii		
9.7699	22	D	Scsiii		
4.9281	23	D	Scsiii		
5.8577	81	D	Scsiii		

Comment:

Manual Basin: LAR007100

Scenario: LAR Prop Imp B
Node: LAR007100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 96.5767 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
51.2573	22	D	Scsiii		
1.3962	90	D	Scsiii		
1.2265	42	D	Scsiii		
38.0412	23	D	Scsiii		
4.6555	21	D	Scsiii		

Comment:

Manual Basin: LAR007500

Scenario: LAR Prop Imp B
Node: LAR007500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 3.9172 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1576	21	D	Scsiii		
2.1213	22	D	Scsiii		
0.0368	90	D	Scsiii		
0.6017	23	D	Scsiii		

Comment:

Manual Basin: LAR007600

Scenario: LAR Prop Imp B
Node: LAR007600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 33.7240 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1632	21	D	Scsiii		
22.4565	23	D	Scsiii		
0.1854	90	D	Scsiii		
10.9190	22	D	Scsiii		

Comment:

Manual Basin: LAR007700

Scenario: LAR Prop Imp B
Node: LAR007700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.6352 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6377	23	D	Scsiii		
3.0798	22	D	Scsiii		
10.4496	90	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4950	21	D	Scsiii		
0.9731	42	D	Scsiii		

Comment:

Manual Basin: LAR007800

Scenario: LAR Prop Imp B
Node: LAR007800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.1221 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8697	21	D	Scsiii		
3.3021	22	D	Scsiii		
11.6903	90	D	Scsiii		
0.2599	23	D	Scsiii		

Comment:

Manual Basin: LAR008100

Scenario: LAR Prop Imp B
Node: LAR008100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 90.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 124.5083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
24.6174	21	D	Scsiii		
7.2634	81	D	Scsiii		
49.5817	42	D	Scsiii		
28.5103	22	D	Scsiii		
12.9865	23	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0860	43	D	Scsiii		
0.2223	11	D	Scsiii		
1.2407	90	D	Scsiii		

Comment:

Manual Basin: LAR008400

Scenario: LAR Prop Imp B
Node: LAR008400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 38.9356 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.9496	90	D	Scsiii		
16.0178	22	D	Scsiii		
10.2117	23	D	Scsiii		
2.7565	21	D	Scsiii		

Comment:

Manual Basin: LAR008500

Scenario: LAR Prop Imp B
Node: LAR008500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.4188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.6831	22	D	Scsiii		
4.1302	23	D	Scsiii		
2.4109	42	D	Scsiii		
2.1946	21	D	Scsiii		

Comment:

Manual Basin: LAR008600

Scenario: LAR Prop Imp B
Node: LAR008600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.6652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1403	42	D	Scsiii		
14.4857	22	D	Scsiii		
1.5827	23	D	Scsiii		
0.4565	21	D	Scsiii		

Comment:

Manual Basin: LAR008700

Scenario: LAR Prop Imp B
Node: LAR008700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.0888 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4335	21	D	Scsiii		
6.5558	22	D	Scsiii		
2.7265	90	D	Scsiii		
1.3730	23	D	Scsiii		

Comment:

Manual Basin: LAR008800

Scenario: LAR Prop Imp B
Node: LAR008800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.2543 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2919	90	D	Scsiii		
2.8681	22	D	Scsiii		
0.2222	23	D	Scsiii		
0.8720	21	D	Scsiii		

Comment:

Manual Basin: LAR008900

Scenario: LAR Prop Imp B
Node: LAR008902
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 68.3345 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
38.7323	22	D	Scsiii		
7.5980	21	D	Scsiii		
5.9903	90	D	Scsiii		
14.6797	23	D	Scsiii		
0.6671	95	D	Scsiii		
0.2223	42	D	Scsiii		
0.4448	11	D	Scsiii		

Comment:

Manual Basin: LAR009000

Scenario: LAR Prop Imp B

Node: LAR009000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.2998 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.8716	22	D	Scsiii		
1.7574	42	D	Scsiii		
1.1528	23	D	Scsiii		
3.0557	21	D	Scsiii		
1.4622	90	D	Scsiii		

Comment:

Manual Basin: LAR009100

Scenario: LAR Prop Imp B
Node: LAR009100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 8.9605 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.0688	22	D	Scsiii		
0.0172	21	D	Scsiii		
4.8013	23	D	Scsiii		
0.0731	90	D	Scsiii		

Comment:

Manual Basin: LAR009200

Scenario: LAR Prop Imp B
Node: LAR009200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 4.5776 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0083	90	D	Scsiii		
1.9020	21	D	Scsiii		
1.0338	22	D	Scsiii		
1.3968	42	D	Scsiii		
0.2368	23	D	Scsiii		

Comment:

Manual Basin: LAR009300

Scenario: LAR Prop Imp B
Node: LAR009300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.8677 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6567	22	D	Scsiii		
0.3058	90	D	Scsiii		
0.3868	21	D	Scsiii		
0.0303	42	D	Scsiii		
7.4881	23	D	Scsiii		

Comment:

Manual Basin: LAR009900

Scenario: LAR Prop Imp B
Node: LAR009900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323

Peaking Factor: 323.0
Area: 15.1773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.3347	23	D	Scsiii		
5.8426	22	D	Scsiii		

Comment:

Manual Basin: LAR010000

Scenario: LAR Prop Imp B
Node: LAR010000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 13.0178 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2003	22	D	Scsiii		
9.8175	23	D	Scsiii		

Comment:

Manual Basin: LAR010100

Scenario: LAR Prop Imp B
Node: LAR010100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.1736 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2637	22	D	Scsiii		
1.9099	23	D	Scsiii		

Comment:

Manual Basin: LAR010200

Scenario: LAR Prop Imp B
Node: LAR010200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 29.6379 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
19.9751	22	D	Scsiii		
2.6914	21	D	Scsiii		
6.8833	23	D	Scsiii		
0.0880	90	D	Scsiii		

Comment:

Manual Basin: LAR011100

Scenario: LAR Prop Imp B
Node: LAR011100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.2700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.5973	22	D	Scsiii		
1.1829	21	D	Scsiii		
1.0440	90	D	Scsiii		
7.3067	23	D	Scsiii		
0.1390	42	D	Scsiii		

Comment:

Manual Basin: LAR000300

Scenario: LAR Prop Imp C
Node: LAR000300
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 163.3613 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2851	23	D	Scsiii		
75.7204	22	D	Scsiii		
13.0825	90	D	Scsiii		
29.8628	21	D	Scsiii		
0.2223	24	D	Scsiii		
24.9253	42	D	Scsiii		
0.5063	90	C	Scsiii		
6.9631	22	C	Scsiii		
5.1646	21	C	Scsiii		
0.6288	42	C	Scsiii		
0.0001	95	D	Scsiii		

Comment:

Manual Basin: LAR000400

Scenario: LAR Prop Imp C
Node: LAR000400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 7.8410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0321	42	D	Scsiii		
1.3306	22	D	Scsiii		
1.3304	90	D	Scsiii		
0.4118	90	C	Scsiii		
0.6514	21	C	Scsiii		
0.0077	21	D	Scsiii		
3.7570	22	C	Scsiii		
0.2886	23	C	Scsiii		
0.0315	23	D	Scsiii		

Comment:

Manual Basin: LAR000900

Scenario: LAR Prop Imp C
Node: LAR000900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 22.8316 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
1.5744	21	D	Scsiii		
1.3762	23	D	Scsiii		
8.3478	22	D	Scsiii		
8.0848	90	D	Scsiii		
0.0030	11	D	Scsiii		
0.0002	95	D	Scsiii		
0.4257	42	D	Scsiii		

Comment:

Manual Basin: LAR001000

Scenario: LAR Prop Imp C
Node: LAR001000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 9.1192 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9445	22	C	Scsiii		
1.9468	90	C	Scsiii		
0.0875	23	C	Scsiii		
0.0407	21	C	Scsiii		
0.2260	21	D	Scsiii		
0.0876	23	D	Scsiii		
0.5744	22	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2117	90	D	Scsiii		

Comment:

Manual Basin: LAR001100

Scenario: LAR Prop Imp C
Node: LAR001100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 11.0296 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4499	23	C	Scsiii		
2.9701	22	C	Scsiii		
1.0714	23	D	Scsiii		
6.3371	22	D	Scsiii		
0.1008	21	C	Scsiii		
0.1002	21	D	Scsiii		

Comment:

Manual Basin: LAR001200

Scenario: LAR Prop Imp C
Node: LAR001200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 3.3367 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2365	23	D	Scsiii		
1.1542	22	D	Scsiii		
1.9460	90	D	Scsiii		

Comment:

Manual Basin: LAR001300

Scenario: LAR Prop Imp C
Node: LAR001300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.9971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1879	90	D	Scsiii		
2.7539	22	D	Scsiii		
0.5321	21	D	Scsiii		
0.1880	23	D	Scsiii		
0.3351	42	D	Scsiii		

Comment:

Manual Basin: LAR001400

Scenario: LAR Prop Imp C
Node: LAR001400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.2245 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1931	22	D	Scsiii		
0.1843	23	D	Scsiii		
0.8472	90	D	Scsiii		

Comment:

Manual Basin: LAR001600

Scenario: LAR Prop Imp C
Node: LAR001600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 46.3324 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.4784	23	D	Scsiii		
4.3291	22	D	Scsiii		
1.3472	24	D	Scsiii		
17.4052	21	D	Scsiii		
15.5166	90	D	Scsiii		
0.2224	95	D	Scsiii		
0.0335	42	D	Scsiii		

Comment:

Manual Basin: LAR001900

Scenario: LAR Prop Imp C
Node: LAR001900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.0731 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1687	23	D	Scsiii		
9.1291	22	D	Scsiii		
1.3803	90	D	Scsiii		
0.1472	21	D	Scsiii		
0.2478	42	D	Scsiii		

Comment:

Manual Basin: LAR003200

Scenario: LAR Prop Imp C
Node: LAR003200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 99.3220 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
55.4221	22	D	Scsiii		
8.7806	21	D	Scsiii		
3.9251	90	D	Scsiii		
12.3228	42	D	Scsiii		
9.2042	43	D	Scsiii		
1.5175	22	C	Scsiii		
0.1644	21	C	Scsiii		
0.0065	52	D	Scsiii		
7.9788	23	D	Scsiii		

Comment:

Manual Basin: LAR003300

Scenario: LAR Prop Imp C
Node: LAR003300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 55.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 56.1169 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9746	22	D	Scsiii		
3.8342	21	D	Scsiii		
27.4673	81	D	Scsiii		
15.5886	42	D	Scsiii		
7.0299	90	D	Scsiii		
0.2223	82	D	Scsiii		

Comment:

Manual Basin: LAR003400

Scenario: LAR Prop Imp C
Node: LAR003400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 58.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 74.7372 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.9253	90	D	Scsiii		
25.4688	22	D	Scsiii		
17.6413	23	D	Scsiii		
5.6667	21	D	Scsiii		
0.1605	21	C	Scsiii		
4.3785	22	C	Scsiii		
0.0100	90	C	Scsiii		
2.2847	23	C	Scsiii		
0.2013	42	D	Scsiii		

Comment:

Manual Basin: LAR003800

Scenario: LAR Prop Imp C
Node: LAR003800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 35.8661 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.2078	22	D	Scsiii		
5.8082	21	D	Scsiii		
19.4712	23	D	Scsiii		
0.3788	42	D	Scsiii		

Comment:

Manual Basin: LAR004000

Scenario: LAR Prop Imp C
Node: LAR004000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 87.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 41.4050 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4907	22	D	Scsiii		
13.0903	21	D	Scsiii		
11.7169	42	D	Scsiii		
10.8848	90	D	Scsiii		
0.2223	81	D	Scsiii		

Comment:

Manual Basin: LAR004300

Scenario: LAR Prop Imp C
Node: LAR004300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 48.8051 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3341	42	D	Scsiii		
15.1149	22	D	Scsiii		
32.8312	23	D	Scsiii		
0.0938	90	D	Scsiii		
0.4312	21	D	Scsiii		

Comment:

Manual Basin: LAR004600

Scenario: LAR Prop Imp C
Node: LAR004600

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.1813 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5107	23	D	Scsiii		
0.7369	22	D	Scsiii		
0.0876	21	D	Scsiii		
12.0156	23	C	Scsiii		
0.0748	90	D	Scsiii		
2.4910	22	C	Scsiii		
0.2647	24	C	Scsiii		

Comment:

Manual Basin: LAR004700

Scenario: LAR Prop Imp C
Node: LAR004700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 27.8217 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
16.8365	23	C	Scsiii		
1.0104	24	C	Scsiii		
5.0449	22	C	Scsiii		
1.2811	90	D	Scsiii		
0.6893	90	C	Scsiii		
1.2265	23	D	Scsiii		
1.0517	22	D	Scsiii		
0.6222	21	C	Scsiii		
0.0591	24	D	Scsiii		

Comment:

Manual Basin: LAR004900

Scenario: LAR Prop Imp C
Node: LAR004900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.1680 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2073	23	D	Scsiii		
0.7258	22	D	Scsiii		
0.1251	22	C	Scsiii		
0.1098	23	C	Scsiii		

Comment:

Manual Basin: LAR005000

Scenario: LAR Prop Imp C
Node: LAR005000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.0436 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7689	23	D	Scsiii		
1.0343	22	D	Scsiii		
0.1478	23	C	Scsiii		
0.0926	22	C	Scsiii		

Comment:

Manual Basin: LAR005100

Scenario: LAR Prop Imp C
Node: LAR005100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 32.1432 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
22.4288	23	D	Scsiii		
2.5371	24	D	Scsiii		
3.0359	22	D	Scsiii		
2.8111	23	C	Scsiii		
1.1333	22	C	Scsiii		
0.1970	90	D	Scsiii		

Comment:

Manual Basin: LAR005200

Scenario: LAR Prop Imp C
Node: LAR005200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.7721 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6729	23	C	Scsiii		
2.7098	22	C	Scsiii		
1.5514	23	D	Scsiii		
0.3037	22	D	Scsiii		
0.3429	24	D	Scsiii		
0.1913	24	C	Scsiii		

Comment:

Manual Basin: LAR005300

Scenario: LAR Prop Imp C
Node: LAR005300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 28.1912 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.1596	24	D	Scsiii		
10.5503	23	D	Scsiii		
0.5029	22	C	Scsiii		
0.9722	23	C	Scsiii		
3.9485	22	D	Scsiii		
0.2231	24	C	Scsiii		
1.1122	21	D	Scsiii		
1.7225	90	D	Scsiii		

Comment:

Manual Basin: LAR005500

Scenario: LAR Prop Imp C
Node: LAR005500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.4457 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9794	90	D	Scsiii		
0.0059	21	D	Scsiii		
1.6456	21	C	Scsiii		
1.9226	90	C	Scsiii		
6.9775	23	C	Scsiii		
9.5938	22	C	Scsiii		
0.1904	22	D	Scsiii		
0.8895	11	D	Scsiii		
0.9725	95	D	Scsiii		
0.0459	95	C	Scsiii		
0.2225	42	C	Scsiii		

Comment:

Manual Basin: LAR005600

Scenario: LAR Prop Imp C
Node: LAR005600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.4929 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4244	22	D	Scsiii		
0.9347	22	C	Scsiii		
2.1199	23	C	Scsiii		
0.0518	90	C	Scsiii		
0.1821	42	C	Scsiii		
0.3861	21	C	Scsiii		
2.5705	23	D	Scsiii		
3.6010	90	D	Scsiii		
0.2224	21	D	Scsiii		

Comment:

Manual Basin: LAR005700

Scenario: LAR Prop Imp C
Node: LAR005700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 35.2081 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7624	90	D	Scsiii		
1.9608	11	D	Scsiii		
1.2221	95	D	Scsiii		
19.1197	23	D	Scsiii		
12.1244	22	D	Scsiii		
0.0188	21	D	Scsiii		

Comment:

Manual Basin: LAR005900

Scenario: LAR Prop Imp C
Node: LAR005900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 62.7006 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.8595	22	C	Scsiii		
16.2772	23	C	Scsiii		
14.0818	22	D	Scsiii		
16.9629	23	D	Scsiii		
1.2566	21	C	Scsiii		
0.2223	21	D	Scsiii		
0.0402	42	C	Scsiii		

Comment:

Manual Basin: LAR006000

Scenario: LAR Prop Imp C
Node: LAR006000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.1806 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8756	22	D	Scsiii		
1.1295	90	D	Scsiii		
0.8896	95	D	Scsiii		
3.8184	23	D	Scsiii		
0.4448	24	D	Scsiii		
0.0229	21	D	Scsiii		

Comment:

Manual Basin: LAR006200

Scenario: LAR Prop Imp C
Node: LAR006200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 55.4609 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.6192	90	D	Scsiii		
28.0860	23	D	Scsiii		
18.8355	22	D	Scsiii		
1.7434	21	D	Scsiii		
0.1768	42	D	Scsiii		

Comment:

Manual Basin: LAR006400

Scenario: LAR Prop Imp C
Node: LAR006400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 18.6120 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0435	22	C	Scsiii		
0.3994	23	C	Scsiii		
15.6006	23	D	Scsiii		
2.5531	22	D	Scsiii		
0.0153	90	D	Scsiii		

Comment:

Manual Basin: LAR006500

Scenario: LAR Prop Imp C
Node: LAR006500

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 10.5421 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.0697	22	D	Scsiii		
1.2672	90	D	Scsiii		
3.8336	23	D	Scsiii		
0.3716	21	D	Scsiii		

Comment:

Manual Basin: LAR006600

Scenario: LAR Prop Imp C
Node: LAR006600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 46.1188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.6177	22	D	Scsiii		
17.3131	23	D	Scsiii		
3.6295	21	D	Scsiii		
3.4391	42	D	Scsiii		
3.1194	90	D	Scsiii		

Comment:

Manual Basin: LAR006700

Scenario: LAR Prop Imp C
Node: LAR006700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.8612 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4072	42	D	Scsiii		
3.3223	90	D	Scsiii		
10.8478	22	D	Scsiii		
0.0022	43	D	Scsiii		
0.3921	95	D	Scsiii		
0.2224	21	D	Scsiii		
0.6672	23	D	Scsiii		

Comment:

Manual Basin: LAR006800

Scenario: LAR Prop Imp C
Node: LAR006800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 24.9532 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8208	42	D	Scsiii		
1.3169	43	D	Scsiii		
12.9960	22	D	Scsiii		
4.6729	23	D	Scsiii		
0.9136	21	D	Scsiii		
0.2223	24	D	Scsiii		
0.0107	90	D	Scsiii		

Comment:

Manual Basin: LAR007000

Scenario: LAR Prop Imp C
Node: LAR007000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.0000 min

Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 55.5325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
20.5397	42	D	Scsiii		
12.2825	21	D	Scsiii		
2.1547	43	D	Scsiii		
9.7699	22	D	Scsiii		
4.9281	23	D	Scsiii		
5.8577	81	D	Scsiii		

Comment:

Manual Basin: LAR007100

Scenario: LAR Prop Imp C
Node: LAR007100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 96.5767 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
51.2573	22	D	Scsiii		
1.3962	90	D	Scsiii		
1.2265	42	D	Scsiii		
38.0412	23	D	Scsiii		
4.6555	21	D	Scsiii		

Comment:

Manual Basin: LAR007500

Scenario: LAR Prop Imp C
Node: LAR007500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 3.9172 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1576	21	D	Scsiii		
2.1213	22	D	Scsiii		
0.0368	90	D	Scsiii		
0.6017	23	D	Scsiii		

Comment:

Manual Basin: LAR007600

Scenario: LAR Prop Imp C
Node: LAR007600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 33.7240 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1632	21	D	Scsiii		
22.4565	23	D	Scsiii		
0.1854	90	D	Scsiii		
10.9190	22	D	Scsiii		

Comment:

Manual Basin: LAR007700

Scenario: LAR Prop Imp C
Node: LAR007700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.6352 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6377	23	D	Scsiii		
3.0798	22	D	Scsiii		
10.4496	90	D	Scsiii		
0.4950	21	D	Scsiii		
0.9731	42	D	Scsiii		

Comment:

Manual Basin: LAR007800

Scenario: LAR Prop Imp C
Node: LAR007800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.1221 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8697	21	D	Scsiii		
3.3021	22	D	Scsiii		
11.6903	90	D	Scsiii		
0.2599	23	D	Scsiii		

Comment:

Manual Basin: LAR008100

Scenario: LAR Prop Imp C
Node: LAR008100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 90.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 124.5083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
24.6174	21	D	Scsiii		
7.2634	81	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
49.5817	42	D	Scsiii		
28.5103	22	D	Scsiii		
12.9865	23	D	Scsiii		
0.0860	43	D	Scsiii		
0.2223	11	D	Scsiii		
1.2407	90	D	Scsiii		

Comment:

Manual Basin: LAR008400

Scenario: LAR Prop Imp C
Node: LAR008400
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 38.9356 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.9496	90	D	Scsiii		
16.0178	22	D	Scsiii		
10.2117	23	D	Scsiii		
2.7565	21	D	Scsiii		

Comment:

Manual Basin: LAR008500

Scenario: LAR Prop Imp C
Node: LAR008500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 17.4188 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.6831	22	D	Scsiii		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1302	23	D	Scsiii		
2.4109	42	D	Scsiii		
2.1946	21	D	Scsiii		

Comment:

Manual Basin: LAR008600

Scenario: LAR Prop Imp C
Node: LAR008600
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 16.6652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1403	42	D	Scsiii		
14.4857	22	D	Scsiii		
1.5827	23	D	Scsiii		
0.4565	21	D	Scsiii		

Comment:

Manual Basin: LAR008700

Scenario: LAR Prop Imp C
Node: LAR008700
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.0888 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4335	21	D	Scsiii		
6.5558	22	D	Scsiii		
2.7265	90	D	Scsiii		
1.3730	23	D	Scsiii		

Comment:

Manual Basin: LAR008800

Scenario: LAR Prop Imp C
Node: LAR008800
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 6.2543 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2919	90	D	Scsiii		
2.8681	22	D	Scsiii		
0.2222	23	D	Scsiii		
0.8720	21	D	Scsiii		

Comment:

Manual Basin: LAR008900

Scenario: LAR Prop Imp C
Node: LAR008902
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 68.3345 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
38.7323	22	D	Scsiii		
7.5980	21	D	Scsiii		
5.9903	90	D	Scsiii		
14.6797	23	D	Scsiii		
0.6671	95	D	Scsiii		
0.2223	42	D	Scsiii		
0.4448	11	D	Scsiii		

Comment:

Manual Basin: LAR009000

Scenario: LAR Prop Imp C
Node: LAR009000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.2998 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.8716	22	D	Scsiii		
1.7574	42	D	Scsiii		
1.1528	23	D	Scsiii		
3.0557	21	D	Scsiii		
1.4622	90	D	Scsiii		

Comment:

Manual Basin: LAR009100

Scenario: LAR Prop Imp C
Node: LAR009100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 8.9605 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.0688	22	D	Scsiii		
0.0172	21	D	Scsiii		
4.8013	23	D	Scsiii		
0.0731	90	D	Scsiii		

Comment:

Manual Basin: LAR009200

Scenario: LAR Prop Imp C
Node: LAR009200
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 4.5776 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0083	90	D	Scsiii		
1.9020	21	D	Scsiii		
1.0338	22	D	Scsiii		
1.3968	42	D	Scsiii		
0.2368	23	D	Scsiii		

Comment:

Manual Basin: LAR009300

Scenario: LAR Prop Imp C
Node: LAR009300
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 12.8677 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6567	22	D	Scsiii		
0.3058	90	D	Scsiii		
0.3868	21	D	Scsiii		
0.0303	42	D	Scsiii		
7.4881	23	D	Scsiii		

Comment:

Manual Basin: LAR009900

Scenario: LAR Prop Imp C
Node: LAR009900
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 15.1773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.3347	23	D	Scsiii		
5.8426	22	D	Scsiii		

Comment:

Manual Basin: LAR010000

Scenario: LAR Prop Imp C
Node: LAR010000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 13.0178 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2003	22	D	Scsiii		
9.8175	23	D	Scsiii		

Comment:

Manual Basin: LAR010100

Scenario: LAR Prop Imp C
Node: LAR010100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 2.1736 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2637	22	D	Scsiii		
1.9099	23	D	Scsiii		

Comment:

Manual Basin: LAR010200

Scenario: LAR Prop Imp C
Node: LAR010200
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 5.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 29.6379 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
19.9751	22	D	Scsiii		
2.6914	21	D	Scsiii		
6.8833	23	D	Scsiii		
0.0880	90	D	Scsiii		

Comment:

Manual Basin: LAR011100

Scenario: LAR Prop Imp C
Node: LAR011100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 19.2700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.5973	22	D	Scsiii		
1.1829	21	D	Scsiii		
1.0440	90	D	Scsiii		
7.3067	23	D	Scsiii		
0.1390	42	D	Scsiii		

Comment:

Node: LAR000000

Scenario: LAR Prop Imp A
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -2.98 ft
Warning Stage: 5.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-2.98
0	0	0	6.0000	4.53
0	0	0	12.0000	-2.98
0	0	0	18.0000	4.53
0	0	0	24.0000	-2.98
0	0	0	30.0000	4.53
0	0	0	36.0000	-2.98
0	0	0	42.0000	4.53
0	0	0	48.0000	-2.98

Comment:

Node: LAR000100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 5.00 ft

Comment:

Node: LAR000200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 5.10 ft

Comment:

Node: LAR000300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 9.10 ft

Comment:

Node: LAR000400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 10.60 ft

Comment:

Node: LAR000500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 12.00 ft

Comment:

Node: LAR000600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.22 ft
Warning Stage: 5.02 ft

Comment:

Node: LAR000700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.31 ft
Warning Stage: 9.31 ft

Comment:

Node: LAR000800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.52 ft
Warning Stage: 8.02 ft

Comment:

Node: LAR000900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.82 ft
Warning Stage: 9.32 ft

Comment:

Node: LAR001000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.60 ft
Warning Stage: 8.37 ft

Comment:

Node: LAR001100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 9.53 ft

Comment:

Node: LAR001200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.40 ft
Warning Stage: 9.50 ft

Comment:

Node: LAR001300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.70 ft
Warning Stage: 9.70 ft

Comment:

Node: LAR001400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.52 ft
Warning Stage: 12.32 ft

Comment:

Node: LAR001500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.30 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR001600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.40 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	3.3000	143748
9.40	3.6000	156816

Comment:

Node: LAR001700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.46 ft
Warning Stage: 14.46 ft

Comment:

Node: LAR001800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft
Warning Stage: 18.00 ft

Comment:

Node: LAR001900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.3920	17076
13.00	0.8570	37331
16.00	1.2790	55713

Comment:

Node: LAR002000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.83 ft
Warning Stage: 5.00 ft

Comment:

Node: LAR002100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.30 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.17 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.37 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.47 ft
Warning Stage: 7.50 ft

Comment:

Node: LAR002500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.90 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.62 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.91 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.16 ft

Comment:

Node: LAR003100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR003400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.73 ft
Warning Stage: 19.79 ft

Comment:

Node: LAR003600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.80 ft
Warning Stage: 15.93 ft

Comment:

Node: LAR003700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR003800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1850	8059
6.00	0.6270	27312
7.00	1.0800	47045
14.00	1.5690	68346

Comment:

Node: LAR003900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.98 ft
Warning Stage: 13.79 ft

Comment:

Node: LAR004000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.91 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.0004	17
11.00	0.0100	436
12.00	0.0700	3049

Comment:

Node: LAR004100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.20 ft
Warning Stage: 12.39 ft

Comment:

Node: LAR004300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	1.4640	63772
13.00	2.8710	125061
14.00	3.0540	133032
15.00	3.2760	142703

Comment:

Node: LAR004600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5140	22390
8.00	0.9270	40380
11.00	1.1500	50094

Comment:

Node: LAR004700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.7110	30971
8.00	1.2660	55147
10.00	1.4090	61376

Comment:

Node: LAR004800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	1.7470	76099
5.00	1.8710	81501

Comment:

Node: LAR004900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.01 ft
Warning Stage: 11.82 ft

Comment:

Node: LAR005000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.89 ft
Warning Stage: 11.97 ft

Comment:

Node: LAR005100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	1.4310	62334

Stage [ft]	Area [ac]	Area [ft2]
5.00	2.5110	109379
8.00	3.6720	159952
12.00	5.2200	227383

Comment:

Node: LAR005200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.25 ft

Comment: updated initial stage per QC comment

Node: LAR005300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Comment: updated initial stage el per QC comment

Node: LAR005400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.60 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
4.60	2.1950	95614
5.50	2.2970	100057

Comment:

Node: LAR005500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.18 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.3180	13852
11.00	0.8780	38246

Comment:

Node: LAR005600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.15 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.15	0.0001	4
5.00	0.0340	1481
6.00	0.3000	13068
7.00	1.4840	64643
8.00	1.5950	69478

Comment:

Node: LAR005700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	3.5740	155683
7.00	4.2540	185304
11.00	4.9620	216145

Comment:

Node: LAR005800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.57 ft
Warning Stage: 8.57 ft

Comment:

Node: LAR005900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.50 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	1.7440	75969
7.50	2.1110	91955
11.00	2.4160	105241

Comment:

Node: LAR006000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.8530	37157
7.00	1.3870	60418
10.80	1.7250	75141

Comment:

Node: LAR006100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5540	24132
8.00	0.8260	35981
12.00	1.0340	45041

Comment:

Node: LAR006200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	4.2650	185783
16.00	5.1540	224508

Comment: Stage areas are summation of 4 interconnected ponds

Node: LAR006300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.84 ft
Warning Stage: 10.35 ft

Comment:

Node: LAR006400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.2430	10585

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.5770	25134
10.80	0.7010	30536

Comment:

Node: LAR006500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.95 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.1000	4356
10.00	0.3020	13155
13.00	0.4350	18949

Comment:

Node: LAR006600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.0190	87948
9.00	2.2030	95963
10.00	2.6760	116567

Comment:

Node: LAR006700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	2.4040	104718
6.00	3.5610	155117
7.00	3.8620	168229

Comment:

Node: LAR006800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.60	3.0000	130680
7.00	3.8000	165528
11.00	4.3700	190357

Comment:

Node: LAR006900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.4030	17555
11.00	0.7530	32801
13.00	0.9830	42819

Comment: overflow weir at 14'

Node: LAR007000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 14.00 ft

Comment:

Node: LAR007100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.9670	42123
8.00	1.9390	84463
14.00	2.7020	117699

Comment:

Node: LAR007200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR007300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.41 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR007400

Scenario: LAR Prop Imp A
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 10.77 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.77	0.0004	17
14.83	0.0004	17

Comment:

Node: LAR007500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.72 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0004	17
14.39	0.0004	17

Comment:

Node: LAR007600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.50 ft
Warning Stage: 15.50 ft

Stage [ft]	Area [ac]	Area [ft2]
9.50	0.5540	24132
15.50	1.1300	49223

Comment:

Node: LAR007700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.61 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR007800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.83 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.83	0.0003	13
15.00	2.8400	123710

Comment:

Node: LAR007900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.1750	51183
10.00	1.3350	58153

Comment:

Node: LAR008000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.5880	112733
12.00	3.4190	148932

Comment:

Node: LAR008100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR008200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR008300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.01 ft
Warning Stage: 14.01 ft

Comment:

Node: LAR008400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 10.59 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	2.1300	92783
11.00	3.7770	164526

Comment:

Node: LAR008500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	1.1400	49658
11.00	1.1960	52098

Comment:

Node: LAR008600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.00	0.9480	41295
13.00	1.0880	47393

Comment:

Node: LAR008700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.8040	35022
10.00	1.6330	71133
11.00	1.6340	71177

Comment: Combined Stage-area with upstream pond Lagoon "F14"

Node: LAR008800

Scenario: LAR Prop Imp A

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0910	3964
12.00	0.2610	11369

Comment:

Node: LAR008900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	3.5400	154202
12.00	4.8140	209698
16.00	5.8810	256176

Comment:

Node: LAR008901

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 18.50 ft

Comment:

Node: LAR008902

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.00 ft
Warning Stage: 20.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.00	2.2500	98010
17.00	3.8700	168577
20.00	4.5900	199940

Comment:

Node: LAR009000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.05 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.00	0.2010	8756
14.00	0.2660	11587

Comment:

Node: LAR009100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.88 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1590	6926
13.00	0.4600	20038
14.00	0.6400	27878

Comment:

Node: LAR009200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.60 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009300

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.0940	4095
12.00	0.3410	14854
13.00	0.5500	23958

Comment:

Node: LAR009400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR009500

Scenario: LAR Prop Imp A
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 13.50 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	13.50
0	0	0	12.0000	14.50
0	0	0	24.0000	13.50

Comment:

Node: LAR009600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.80	4.1900	182516
14.80	4.9200	214315

Comment:

Node: LAR009700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.36 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009800

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.70 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.27 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.4100	17860

Stage [ft]	Area [ac]	Area [ft2]
11.00	0.5400	23522
13.00	0.7300	31799
14.00	2.2300	97139

Comment:

Node: LAR010000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.90 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.6400	27878
11.00	0.9600	41818
14.00	1.4000	60984
15.00	2.0800	90605

Comment:

Node: LAR010100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.85 ft
Warning Stage: 14.50 ft

Stage [ft]	Area [ac]	Area [ft2]
11.85	0.0001	4
13.34	0.0010	44
13.90	0.1580	6882
15.90	0.3500	15246

Comment:

Node: LAR010200

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.38 ft

Warning Stage: 14.51 ft

Stage [ft]	Area [ac]	Area [ft2]
8.38	0.0004	17
12.00	0.6100	26572
13.00	1.8100	78844

Comment:

Node: LAR010300

Scenario: LAR Prop Imp A
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 10.10 ft
Warning Stage: 14.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	10.10
0	0	0	12.0000	11.60
0	0	0	24.0000	10.10
0	0	0	48.0000	10.10

Comment:

Node: LAR010400

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.31 ft
Warning Stage: 13.20 ft

Comment:

Node: LAR010500

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.90 ft
Warning Stage: 13.70 ft

Comment:

Node: LAR010600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.02 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR010700

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.99 ft
Warning Stage: 15.40 ft

Comment:

Node: LAR010800

Scenario: LAR Prop Imp A
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9.90 ft
Warning Stage: 14.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9.90
0	0	0	12.0000	12.90
0	0	0	24.0000	9.90
0	0	0	48.0000	9.90

Comment:

Node: LAR010900

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.45 ft
Warning Stage: 14.50 ft

Comment:

Node: LAR011000

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.57 ft
Warning Stage: 13.90 ft

Comment:

Node: LAR011100

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.03 ft
Warning Stage: 18.00 ft

Stage [ft]	Area [ac]	Area [ft2]
15.00	0.4100	17860
18.00	0.5400	23522

Comment:

Node: LAR011600

Scenario: LAR Prop Imp A
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.7366	32085
9.70	0.9447	41151

Comment:

Node: LAR000000

Scenario: LAR Prop Imp B
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -2.98 ft
Warning Stage: 5.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-2.98
0	0	0	6.0000	4.53
0	0	0	12.0000	-2.98
0	0	0	18.0000	4.53
0	0	0	24.0000	-2.98
0	0	0	30.0000	4.53
0	0	0	36.0000	-2.98
0	0	0	42.0000	4.53
0	0	0	48.0000	-2.98

Comment:

Node: LAR000100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 5.00 ft

Comment:

Node: LAR000200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 5.10 ft

Comment:

Node: LAR000300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 9.10 ft

Comment:

Node: LAR000400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 10.60 ft

Comment:

Node: LAR000500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 12.00 ft

Comment:

Node: LAR000600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.22 ft
Warning Stage: 5.02 ft

Comment:

Node: LAR000700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.31 ft
Warning Stage: 9.31 ft

Comment:

Node: LAR000800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.52 ft
Warning Stage: 8.02 ft

Comment:

Node: LAR000900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.82 ft
Warning Stage: 9.32 ft

Comment:

Node: LAR001000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.60 ft
Warning Stage: 8.37 ft

Comment:

Node: LAR001100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 9.53 ft

Comment:

Node: LAR001200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.40 ft
Warning Stage: 9.50 ft

Comment:

Node: LAR001300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.70 ft
Warning Stage: 9.70 ft

Comment:

Node: LAR001400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.52 ft
Warning Stage: 12.32 ft

Comment:

Node: LAR001500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.30 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR001600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.40 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	3.3000	143748
9.40	3.6000	156816

Comment:

Node: LAR001700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.46 ft
Warning Stage: 14.46 ft

Comment:

Node: LAR001800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft

Warning Stage: 18.00 ft

Comment:

Node: LAR001900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.3920	17076
13.00	0.8570	37331
16.00	1.2790	55713

Comment:

Node: LAR002000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.83 ft
Warning Stage: 5.00 ft

Comment:

Node: LAR002100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.30 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.17 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.37 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.47 ft
Warning Stage: 7.50 ft

Comment:

Node: LAR002500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.90 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.62 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.91 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.16 ft

Comment:

Node: LAR003100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR003400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.73 ft
Warning Stage: 19.79 ft

Comment:

Node: LAR003600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.80 ft
Warning Stage: 15.93 ft

Comment:

Node: LAR003700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR003800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1850	8059
6.00	0.6270	27312
7.00	1.0800	47045
14.00	1.5690	68346

Comment:

Node: LAR003900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.98 ft
Warning Stage: 13.79 ft

Comment:

Node: LAR004000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.91 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.0004	17
11.00	0.0100	436
12.00	0.0700	3049

Comment:

Node: LAR004100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 6.20 ft
Warning Stage: 12.39 ft

Comment:

Node: LAR004300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	1.4640	63772
13.00	2.8710	125061
14.00	3.0540	133032
15.00	3.2760	142703

Comment:

Node: LAR004600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5140	22390
8.00	0.9270	40380
11.00	1.1500	50094

Comment:

Node: LAR004700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.7110	30971
8.00	1.2660	55147
10.00	1.4090	61376

Comment:

Node: LAR004800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	1.7470	76099
5.00	1.8710	81501

Comment:

Node: LAR004900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.01 ft
Warning Stage: 11.82 ft

Comment:

Node: LAR005000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.89 ft
Warning Stage: 11.97 ft

Comment:

Node: LAR005100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	1.4310	62334
5.00	2.5110	109379
8.00	3.6720	159952
12.00	5.2200	227383

Comment:

Node: LAR005200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.25 ft

Comment: updated initial stage per QC comment

Node: LAR005300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Comment: updated initial stage el per QC comment

Node: LAR005400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.60 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
4.60	2.1950	95614
5.50	2.2970	100057

Comment:

Node: LAR005500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.18 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.3180	13852
11.00	0.8780	38246

Comment:

Node: LAR005600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.15 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.15	0.0001	4
5.00	0.0340	1481
6.00	0.3000	13068
7.00	1.4840	64643
8.00	1.5950	69478

Comment:

Node: LAR005700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	3.5740	155683
7.00	4.2540	185304
11.00	4.9620	216145

Comment:

Node: LAR005800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.57 ft
Warning Stage: 8.57 ft

Comment:

Node: LAR005900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.50 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	1.7440	75969
7.50	2.1110	91955
11.00	2.4160	105241

Comment:

Node: LAR006000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.8530	37157
7.00	1.3870	60418
10.80	1.7250	75141

Comment:

Node: LAR006100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5540	24132
8.00	0.8260	35981
12.00	1.0340	45041

Comment:

Node: LAR006200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	4.2650	185783
16.00	5.1540	224508

Comment: Stage areas are summation of 4 interconnected ponds

Node: LAR006300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.84 ft
Warning Stage: 10.35 ft

Comment:

Node: LAR006400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.2430	10585
8.00	0.5770	25134
10.80	0.7010	30536

Comment:

Node: LAR006500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.95 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.1000	4356
10.00	0.3020	13155
13.00	0.4350	18949

Comment:

Node: LAR006600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.0190	87948
9.00	2.2030	95963
10.00	2.6760	116567

Comment:

Node: LAR006700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	2.4040	104718
6.00	3.5610	155117
7.00	3.8620	168229

Comment:

Node: LAR006800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.60	3.0000	130680
7.00	3.8000	165528
11.00	4.3700	190357

Comment:

Node: LAR006900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.4030	17555
11.00	0.7530	32801
13.00	0.9830	42819

Comment: overflow weir at 14'

Node: LAR007000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 14.00 ft

Comment:

Node: LAR007100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.9670	42123
8.00	1.9390	84463
14.00	2.7020	117699

Comment:

Node: LAR007200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR007300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.41 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR007400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.77 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.77	0.0004	17
14.83	0.0004	17

Comment:

Node: LAR007500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.72 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0004	17
14.39	0.0004	17

Comment:

Node: LAR007600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.50 ft
Warning Stage: 15.50 ft

Stage [ft]	Area [ac]	Area [ft2]
9.50	0.5540	24132
15.50	1.1300	49223

Comment:

Node: LAR007700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.61 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR007800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.83 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.83	0.0003	13
15.00	2.8400	123710

Comment:

Node: LAR007900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.1750	51183
10.00	1.3350	58153

Comment:

Node: LAR008000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.5880	112733
12.00	3.4190	148932

Comment:

Node: LAR008100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR008200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR008300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.01 ft
Warning Stage: 14.01 ft

Comment:

Node: LAR008400

Scenario: LAR Prop Imp B
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 10.59 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	2.1300	92783
11.00	3.7770	164526

Comment:

Node: LAR008500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	1.1400	49658
11.00	1.1960	52098

Comment:

Node: LAR008600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.00	0.9480	41295
13.00	1.0880	47393

Comment:

Node: LAR008700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.8040	35022
10.00	1.6330	71133
11.00	1.6340	71177

Comment: Combined Stage-area with upstream pond Lagoon "F14"

Node: LAR008800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0910	3964
12.00	0.2610	11369

Comment:

Node: LAR008900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	3.5400	154202
12.00	4.8140	209698
16.00	5.8810	256176

Comment:

Node: LAR008901

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 18.50 ft

Comment:

Node: LAR008902

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.00 ft
Warning Stage: 20.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.00	2.2500	98010
17.00	3.8700	168577
20.00	4.5900	199940

Comment:

Node: LAR009000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.05 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.00	0.2010	8756
14.00	0.2660	11587

Comment:

Node: LAR009100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.88 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1590	6926
13.00	0.4600	20038
14.00	0.6400	27878

Comment:

Node: LAR009200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.60 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009300

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.0940	4095
12.00	0.3410	14854
13.00	0.5500	23958

Comment:

Node: LAR009400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR009500

Scenario: LAR Prop Imp B
Type: Time/Stage
Base Flow: 0.00 cfs

Initial Stage: 13.50 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	13.50
0	0	0	12.0000	14.50
0	0	0	24.0000	13.50

Comment:

Node: LAR009600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.80	4.1900	182516
14.80	4.9200	214315

Comment:

Node: LAR009700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.36 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009800

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.70 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.27 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.4100	17860
11.00	0.5400	23522
13.00	0.7300	31799
14.00	2.2300	97139

Comment:

Node: LAR010000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.90 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.6400	27878
11.00	0.9600	41818
14.00	1.4000	60984
15.00	2.0800	90605

Comment:

Node: LAR010100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.85 ft
Warning Stage: 14.50 ft

Stage [ft]	Area [ac]	Area [ft2]
11.85	0.0001	4
13.34	0.0010	44

Stage [ft]	Area [ac]	Area [ft2]
13.90	0.1580	6882
15.90	0.3500	15246

Comment:

Node: LAR010200

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.38 ft
Warning Stage: 14.51 ft

Stage [ft]	Area [ac]	Area [ft2]
8.38	0.0004	17
12.00	0.6100	26572
13.00	1.8100	78844

Comment:

Node: LAR010300

Scenario: LAR Prop Imp B
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 10.10 ft
Warning Stage: 14.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	10.10
0	0	0	12.0000	11.60
0	0	0	24.0000	10.10
0	0	0	48.0000	10.10

Comment:

Node: LAR010400

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.31 ft
Warning Stage: 13.20 ft

Comment:

Node: LAR010500

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.90 ft
Warning Stage: 13.70 ft

Comment:

Node: LAR010600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.02 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR010700

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.99 ft
Warning Stage: 15.40 ft

Comment:

Node: LAR010800

Scenario: LAR Prop Imp B
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9.90 ft
Warning Stage: 14.00 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9.90
0	0	0	12.0000	12.90
0	0	0	24.0000	9.90
0	0	0	48.0000	9.90

Comment:

Node: LAR010900

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.45 ft
Warning Stage: 14.50 ft

Comment:

Node: LAR011000

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.57 ft
Warning Stage: 13.90 ft

Comment:

Node: LAR011100

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.03 ft
Warning Stage: 18.00 ft

Stage [ft]	Area [ac]	Area [ft2]
15.00	0.4100	17860
18.00	0.5400	23522

Comment:

Node: LAR011600

Scenario: LAR Prop Imp B
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.7366	32085
9.70	0.9447	41151

Comment:

Node: LAR000000

Scenario: LAR Prop Imp C
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -2.98 ft
Warning Stage: 5.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-2.98
0	0	0	6.0000	4.53
0	0	0	12.0000	-2.98
0	0	0	18.0000	4.53
0	0	0	24.0000	-2.98
0	0	0	30.0000	4.53
0	0	0	36.0000	-2.98
0	0	0	42.0000	4.53
0	0	0	48.0000	-2.98

Comment:

Node: LAR000100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 5.00 ft

Comment:

Node: LAR000200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 5.10 ft

Comment:

Node: LAR000300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 9.10 ft

Comment:

Node: LAR000400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 10.60 ft

Comment:

Node: LAR000500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 12.00 ft

Comment:

Node: LAR000600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.22 ft
Warning Stage: 5.02 ft

Comment:

Node: LAR000700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.31 ft
Warning Stage: 9.31 ft

Comment:

Node: LAR000800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.52 ft
Warning Stage: 8.02 ft

Comment:

Node: LAR000900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.82 ft
Warning Stage: 9.32 ft

Comment:

Node: LAR001000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.60 ft
Warning Stage: 8.37 ft

Comment:

Node: LAR001100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.45 ft
Warning Stage: 9.53 ft

Comment:

Node: LAR001200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.40 ft
Warning Stage: 9.50 ft

Comment:

Node: LAR001300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.70 ft
Warning Stage: 9.70 ft

Comment:

Node: LAR001400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.52 ft
Warning Stage: 12.32 ft

Comment:

Node: LAR001500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.30 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR001600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.40 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.40	3.3000	143748
9.40	3.6000	156816

Comment:

Node: LAR001700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.46 ft
Warning Stage: 14.46 ft

Comment:

Node: LAR001800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.43 ft
Warning Stage: 18.00 ft

Comment:

Node: LAR001900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.3920	17076
13.00	0.8570	37331
16.00	1.2790	55713

Comment:

Node: LAR002000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.83 ft
Warning Stage: 5.00 ft

Comment:

Node: LAR002100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.30 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.17 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.37 ft
Warning Stage: 7.20 ft

Comment:

Node: LAR002400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.47 ft
Warning Stage: 7.50 ft

Comment:

Node: LAR002500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.90 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.62 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR002700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.25 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR002900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.91 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.16 ft

Comment:

Node: LAR003100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 6.00 ft

Comment:

Node: LAR003300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.60 ft
Warning Stage: 10.00 ft

Comment:

Node: LAR003400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.43 ft
Warning Stage: 8.00 ft

Comment:

Node: LAR003500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.73 ft
Warning Stage: 19.79 ft

Comment:

Node: LAR003600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.80 ft
Warning Stage: 15.93 ft

Comment:

Node: LAR003700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR003800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1850	8059
6.00	0.6270	27312
7.00	1.0800	47045
14.00	1.5690	68346

Comment:

Node: LAR003900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.98 ft
Warning Stage: 13.79 ft

Comment:

Node: LAR004000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.91 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.0004	17
11.00	0.0100	436
12.00	0.0700	3049

Comment:

Node: LAR004100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.20 ft
Warning Stage: 12.39 ft

Comment:

Node: LAR004300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	1.4640	63772
13.00	2.8710	125061
14.00	3.0540	133032
15.00	3.2760	142703

Comment:

Node: LAR004600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5140	22390
8.00	0.9270	40380
11.00	1.1500	50094

Comment:

Node: LAR004700

Scenario: LAR Prop Imp C
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.7110	30971
8.00	1.2660	55147
10.00	1.4090	61376

Comment:

Node: LAR004800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 5.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	1.7470	76099
5.00	1.8710	81501

Comment:

Node: LAR004900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.01 ft
Warning Stage: 11.82 ft

Comment:

Node: LAR005000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.89 ft
Warning Stage: 11.97 ft

Comment:

Node: LAR005100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	1.4310	62334
5.00	2.5110	109379
8.00	3.6720	159952
12.00	5.2200	227383

Comment:

Node: LAR005200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.25 ft

Comment: updated initial stage per QC comment

Node: LAR005300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Comment: updated initial stage el per QC comment

Node: LAR005400

Scenario: LAR Prop Imp C
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 4.60 ft
Warning Stage: 5.50 ft

Stage [ft]	Area [ac]	Area [ft2]
4.60	2.1950	95614
5.50	2.2970	100057

Comment:

Node: LAR005500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.18 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.3180	13852
11.00	0.8780	38246

Comment:

Node: LAR005600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.15 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.15	0.0001	4
5.00	0.0340	1481
6.00	0.3000	13068
7.00	1.4840	64643
8.00	1.5950	69478

Comment:

Node: LAR005700

Scenario: LAR Prop Imp C
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	3.5740	155683
7.00	4.2540	185304
11.00	4.9620	216145

Comment:

Node: LAR005800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.57 ft
Warning Stage: 8.57 ft

Comment:

Node: LAR005900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.50 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	1.7440	75969
7.50	2.1110	91955
11.00	2.4160	105241

Comment:

Node: LAR006000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.8530	37157
7.00	1.3870	60418
10.80	1.7250	75141

Comment:

Node: LAR006100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.5540	24132
8.00	0.8260	35981
12.00	1.0340	45041

Comment:

Node: LAR006200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	4.2650	185783
16.00	5.1540	224508

Comment: Stage areas are summation of 4 interconnected ponds

Node: LAR006300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.84 ft
Warning Stage: 10.35 ft

Comment:

Node: LAR006400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.2430	10585
8.00	0.5770	25134
10.80	0.7010	30536

Comment:

Node: LAR006500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.95 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.1000	4356
10.00	0.3020	13155
13.00	0.4350	18949

Comment:

Node: LAR006600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.0190	87948
9.00	2.2030	95963
10.00	2.6760	116567

Comment:

Node: LAR006700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 7.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	2.4040	104718
6.00	3.5610	155117
7.00	3.8620	168229

Comment:

Node: LAR006800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 7.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.60	3.0000	130680
7.00	3.8000	165528
11.00	4.3700	190357

Comment:

Node: LAR006900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.4030	17555
11.00	0.7530	32801
13.00	0.9830	42819

Comment: overflow weir at 14'

Node: LAR007000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 14.00 ft

Comment:

Node: LAR007100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.9670	42123
8.00	1.9390	84463
14.00	2.7020	117699

Comment:

Node: LAR007200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.50 ft
Warning Stage: 11.37 ft

Comment:

Node: LAR007300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 9.41 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR007400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.77 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.77	0.0004	17
14.83	0.0004	17

Comment:

Node: LAR007500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.72 ft
Warning Stage: 17.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.72	0.0004	17
14.39	0.0004	17

Comment:

Node: LAR007600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.50 ft
Warning Stage: 15.50 ft

Stage [ft]	Area [ac]	Area [ft2]
9.50	0.5540	24132
15.50	1.1300	49223

Comment:

Node: LAR007700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.61 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR007800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.83 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.83	0.0003	13
15.00	2.8400	123710

Comment:

Node: LAR007850

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Comment:

Node: LAR007900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 8.00 ft
Warning Stage: 10.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.1750	51183
10.00	1.3350	58153

Comment:

Node: LAR008000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 12.00 ft

Stage [ft]	Area [ac]	Area [ft2]
8.00	2.5880	112733
12.00	3.4190	148932

Comment:

Node: LAR008100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.00 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR008200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.50 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR008300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.01 ft
Warning Stage: 14.01 ft

Comment:

Node: LAR008400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 10.59 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	2.1300	92783
11.00	3.7770	164526

Comment:

Node: LAR008500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	1.1400	49658
11.00	1.1960	52098

Comment:

Node: LAR008600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
11.00	0.9480	41295
13.00	1.0880	47393

Comment:

Node: LAR008700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.00 ft
Warning Stage: 11.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.8040	35022
10.00	1.6330	71133
11.00	1.6340	71177

Comment: Combined Stage-area with upstream pond Lagoon "F14"

Node: LAR008800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.00 ft
Warning Stage: 13.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0910	3964
12.00	0.2610	11369

Comment:

Node: LAR008900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 16.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	3.5400	154202
12.00	4.8140	209698
16.00	5.8810	256176

Comment:

Node: LAR008901

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.00 ft
Warning Stage: 18.50 ft

Comment:

Node: LAR008902

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 17.00 ft
Warning Stage: 20.00 ft

Stage [ft]	Area [ac]	Area [ft2]
10.00	2.2500	98010
17.00	3.8700	168577
20.00	4.5900	199940

Comment:

Node: LAR009000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.05 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.00	0.2010	8756
14.00	0.2660	11587

Comment:

Node: LAR009100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.88 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.1590	6926
13.00	0.4600	20038
14.00	0.6400	27878

Comment:

Node: LAR009200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.60 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009300

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.0940	4095
12.00	0.3410	14854
13.00	0.5500	23958

Comment:

Node: LAR009400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.90 ft
Warning Stage: 16.00 ft

Comment:

Node: LAR009500

Scenario: LAR Prop Imp C
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 13.50 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	13.50
0	0	0	12.0000	14.50
0	0	0	24.0000	13.50

Comment:

Node: LAR009600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
12.80	4.1900	182516
14.80	4.9200	214315

Comment:

Node: LAR009700

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 11.36 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009800

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.70 ft
Warning Stage: 15.00 ft

Comment:

Node: LAR009900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.27 ft
Warning Stage: 14.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.00	0.4100	17860
11.00	0.5400	23522
13.00	0.7300	31799
14.00	2.2300	97139

Comment:

Node: LAR010000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.90 ft
Warning Stage: 15.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.90	0.6400	27878
11.00	0.9600	41818
14.00	1.4000	60984

Stage [ft]	Area [ac]	Area [ft2]
15.00	2.0800	90605

Comment:

Node: LAR010100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.85 ft
Warning Stage: 14.50 ft

Stage [ft]	Area [ac]	Area [ft2]
11.85	0.0001	4
13.34	0.0010	44
13.90	0.1580	6882
15.90	0.3500	15246

Comment:

Node: LAR010200

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 8.38 ft
Warning Stage: 14.51 ft

Stage [ft]	Area [ac]	Area [ft2]
8.38	0.0004	17
12.00	0.6100	26572
13.00	1.8100	78844

Comment:

Node: LAR010300

Scenario: LAR Prop Imp C
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 10.10 ft
Warning Stage: 14.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	10.10
0	0	0	12.0000	11.60
0	0	0	24.0000	10.10
0	0	0	48.0000	10.10

Comment:

Node: LAR010400

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.31 ft
Warning Stage: 13.20 ft

Comment:

Node: LAR010500

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 12.90 ft
Warning Stage: 13.70 ft

Comment:

Node: LAR010600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 11.02 ft
Warning Stage: 13.00 ft

Comment:

Node: LAR010700

Scenario: LAR Prop Imp C

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.99 ft
Warning Stage: 15.40 ft

Comment:

Node: LAR010800

Scenario: LAR Prop Imp C
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9.90 ft
Warning Stage: 14.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9.90
0	0	0	12.0000	12.90
0	0	0	24.0000	9.90
0	0	0	48.0000	9.90

Comment:

Node: LAR010900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.45 ft
Warning Stage: 14.50 ft

Comment:

Node: LAR011000

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 10.57 ft
Warning Stage: 13.90 ft

Comment:

Node: LAR011100

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 15.03 ft
Warning Stage: 18.00 ft

Stage [ft]	Area [ac]	Area [ft2]
15.00	0.4100	17860
18.00	0.5400	23522

Comment:

Node: LAR011600

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 9.70 ft

Stage [ft]	Area [ac]	Area [ft2]
9.00	0.7366	32085
9.70	0.9447	41151

Comment:

Node: LAR011900

Scenario: LAR Prop Imp C
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Comment:

Node: LAR012000

Scenario: LAR Prop Imp C

Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	0.00 ft
Warning Stage:	0.00 ft

Comment:

Node: LAR012100

Scenario:	LAR Prop Imp C
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	0.00 ft
Warning Stage:	0.00 ft

Comment:

Node: LAR012200

Scenario:	LAR Prop Imp C
Type:	Stage/Area
Base Flow:	0.00 cfs
Initial Stage:	0.00 ft
Warning Stage:	0.00 ft

Comment:

Pipe Link: LAR000100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	-2.15 ft	Invert:	-2.47 ft
From Node:	LAR000100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000000	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	4	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	117.00 ft	Bottom Clip			
FHWA Code:	14	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft

		Op Table:	
		Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: LAR000200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	-0.84 ft	Invert:	-2.15 ft
From Node:	LAR000200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000100	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00200-Refined	Cross Section:	XS-00100-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1841.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000300		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	-0.35 ft	Invert:	-0.84 ft
From Node:	LAR000300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000200	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00300-Refined	Cross Section:	XS-00200-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	702.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000400		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	0.80 ft	Invert:	1.14 ft
From Node:	LAR000400	Manning's N:	0.0350	Manning's N:	0.0350

To Node:	LAR000300	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-00400-LIDAR	Cross Section:	XS-00300-NE-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	175.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000500		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.00 ft	Invert:	0.80 ft
From Node:	LAR000500	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000400	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-500-LIDAR	Cross Section:	XS-00400-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2191.74 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.04				
Bend Location:	0.36 dec				
Energy Switch:	Energy				

Comment: Cbend 0.001*40deg deflect = 0.04

Channel Link: LAR000600		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	0.87 ft	Invert:	-0.35 ft
From Node:	LAR000600	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000300	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-00600-Refined	Cross Section:	XS-00300-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1717.15 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch:	Energy
Comment:	

Channel Link: LAR000700		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.55 ft	Invert:	1.33 ft
From Node:	LAR000700	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000600	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00700-LIDAR	Cross Section:	XS-00600-NE-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2417.32 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.61 ft	Invert:	2.55 ft
From Node:	LAR000800	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000700	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00800-LIDAR	Cross Section:	XS-00700-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	479.05 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000900		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.82 ft	Invert:	2.61 ft
From Node:	LAR000900	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000800	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-900-LIDAR	Cross Section:	XS-00800-LIDAR

Flow Direction:	Both
Damping:	0.0000 ft
Length:	736.29 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR001000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.37 ft	Invert:	2.82 ft
From Node:	LAR001000	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000900	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1000-LIDAR	Cross Section:	XS-900-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	574.51 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR001100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	1.53 ft	Invert:	2.37 ft
From Node:	LAR001100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001000	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	2	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	86.48 ft		Bottom Clip		
FHWA Code:	19	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec		Top Clip		
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	

		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: LAR001200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.40 ft	Invert:	1.53 ft
From Node:	LAR001200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001100	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1200-LIDAR	Cross Section:	XS-1100-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	149.81 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR001300		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.69 ft	Invert:	3.40 ft
From Node:	LAR001300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001200	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1300-LIDAR	Cross Section:	XS-1200-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	370.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR001400		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	4.68 ft	Invert:	3.69 ft
From Node:	LAR001400	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1400-DS-LIDAR	Cross Section:	XS-1300-LIDAR

Flow Direction:	Both
Damping:	0.0000 ft
Length:	488.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR001500		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.78 ft	Invert:	4.68 ft
From Node:	LAR001500	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1500-LIDAR	Cross Section:	XS-1400-DS-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	615.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Drop Structure Link: LAR001600		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	6.30 ft	Invert:	6.30 ft
From Node:	LAR001600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001500	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	65.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	**Discharge Coefficients**	
Max Depth:	4.00 ft	Weir Default:	3.200
Max Width:	4.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	9.40 ft	Ref Node:	
Control Elevation:	9.40 ft	**Discharge Coefficients**	
Max Depth:	1.00 ft	Weir Default:	3.200
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR001700		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	6.84 ft	Invert:	6.08 ft
From Node:	LAR001700	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1700-LIDAR	Cross Section:	XS-1400-N-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	563.20 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				

Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR001800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	10.25 ft	Invert:	6.84 ft
From Node:	LAR001800	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001700	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1800-LIDAR	Cross Section:	XS-1700-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	731.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Drop Structure Link: LAR001900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	8.70 ft	Invert:	7.58 ft
From Node:	LAR001900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001800	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	373.50 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip
Weir:	1	

Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	13.20 ft
Control Elevation:	13.20 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR002000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	1.63 ft	Invert:	0.87 ft
From Node:	LAR002000	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR000600	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2000-DS-Refined	Cross Section:	XS-00600-NW-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1072.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.30 ft	Invert:	1.63 ft
From Node:	LAR002100	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002000	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2100-Refined	Cross Section:	XS-2000-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	939.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR002200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.17 ft	Invert:	2.30 ft
From Node:	LAR002200	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002100	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2200-1-Refined	Cross Section:	XS-2100-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1234.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002300		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.37 ft	Invert:	3.17 ft
From Node:	LAR002300	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002200	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2300-Refined-D	Cross Section:	XS-2200-1-Refined
Flow Direction:	Both		S		
Damping:	0.0000 ft				
Length:	282.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002400		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.47 ft	Invert:	3.37 ft

From Node:	LAR002400	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2400-LIDAR	Cross Section:	XS-2300-Refined-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	498.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002500		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.90 ft	Invert:	3.37 ft
From Node:	LAR002500	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02500-Refined	Cross Section:	XS-02300-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	742.76 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002600		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	4.62 ft	Invert:	3.90 ft
From Node:	LAR002600	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002500	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02600-Refined	Cross Section:	XS-02500-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1016.60 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				

Bend Location:	0.00 dec
Energy Switch:	Energy
Comment:	

Pipe Link: LAR002650		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.25 ft	Invert:	5.00 ft
From Node:	LAR002800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR002700	Geometry:	Circular	Geometry:	Circular
Link Count:	3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: LAR002700		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.00 ft	Invert:	4.62 ft
From Node:	LAR002700	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002600	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02700-Refined	Cross Section:	XS-02600-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	538.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR002800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.25 ft	Invert:	5.00 ft
From Node:	LAR002800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR002750	Geometry:	Circular	Geometry:	Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: removed upstream 1d node interface, connect directly to 1d node

Channel Link: LAR002900		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	6.91 ft	Invert:	7.00 ft
From Node:	LAR002900	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002800	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02900-LIDAR	Cross Section:	XS-02800-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	250.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR003000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	0.16 ft	Invert:	1.63 ft
From Node:	LAR003000	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002000	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-3000-LIDAR	Cross Section:	XS-2000-DS-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2930.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.14				
Bend Location:	0.05 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR003100A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	0.56 ft	Invert:	0.16 ft
From Node:	LAR003100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003000	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	67.00 ft	Bottom Clip			
FHWA Code:	9	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR003100B			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR003100	Default:	0.00 ft
To Node:	LAR003000	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Parabolic	Ref Node:	
Invert:	8.20 ft	Discharge Coefficients	
Control Elevation:	8.20 ft	Weir Default:	2.800
Max Depth:	1.10 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	

Comment:

Channel Link: LAR003200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	0.70 ft	Invert:	0.56 ft
From Node:	LAR003200	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR003100	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	10.00 ft	Max Depth:	10.00 ft

Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Length:	169.22 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003300A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	0.89 ft	Invert:	0.70 ft
From Node:	LAR003300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	118.00 ft	Bottom Clip			
FHWA Code:	9	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR003300B			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR003300	Default:	0.00 ft
To Node:	LAR003200	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.71 ft	Discharge Coefficients	

Control Elevation:	10.71 ft		
Cross Section:	XS-9100W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Channel Link: LAR003400		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	4.43 ft	Invert:	0.89 ft
From Node:	LAR003400	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR003300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-03400-LIDAR	Cross Section:	XS-03300-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2197.45 ft				
Contraction Coef:	0.10				
Expansion Coef:	0.30				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.09				
Bend Location:	0.84 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR003500		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.73 ft	Invert:	1.20 ft
From Node:	LAR003500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1382.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003600	Upstream	Downstream

Scenario:	LAR Prop Imp A	Invert:	2.80 ft	Invert:	1.20 ft
From Node:	LAR003600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2075.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003700		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.50 ft	Invert:	2.80 ft
From Node:	LAR003700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003600	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	327.38 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR003800		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	3.75 ft	Invert:	3.50 ft
From Node:	LAR003800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	70.37 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft

Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.00 ft	Op Table:	
Control Elevation:	11.00 ft	Ref Node:	
Max Depth:	5.00 ft	Discharge Coefficients	
Max Width:	5.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Broad Crested Vertical	Top Clip	
Geometry Type:	Trapezoidal	Default:	0.00 ft
Invert:	12.50 ft	Op Table:	
Control Elevation:	12.50 ft	Ref Node:	
Max Depth:	1.50 ft	Discharge Coefficients	
Extrapolation Method:	Normal Projection	Weir Default:	3.200
Bottom Width:	25.00 ft	Weir Table:	
Left Slope:	10.000 (h:v)	Orifice Default:	0.600
Right Slope:	10.000 (h:v)	Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR003900		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	4.98 ft	Invert:	3.73 ft
From Node:	LAR003900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1272.54 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	8.00 ft	Invert:	4.96 ft
From Node:	LAR004000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	89.16 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	6.20 ft	Invert:	4.98 ft
From Node:	LAR004100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	861.22 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	7.50 ft	Invert:	6.20 ft
From Node:	LAR004201	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	65.83 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR004300A		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	8.63 ft	Invert:	6.24 ft
From Node:	LAR004300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	2610.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Momentum				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	15.05 ft	Ref Node:	
Control Elevation:	15.05 ft	Discharge Coefficients	
Max Depth:	5.00 ft	Weir Default:	3.200
Max Width:	5.00 ft		

Fillet:	0.00 ft		
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR004300B		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	13.50 ft	Invert:	11.90 ft
From Node:	LAR004300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR004100	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	2470.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004500		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	13.30 ft	Invert:	13.30 ft
From Node:	LAR004500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004400	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	188.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR004600			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR004600	Default:	0.00 ft
To Node:	LAR004550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	8.00 ft	Discharge Coefficients	
Control Elevation:	8.00 ft	Weir Default:	2.800
Max Depth:	3.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	3.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		
Comment:			

Drop Structure Link: LAR004700		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	5.20 ft	Invert:	5.00 ft
From Node:	LAR004700	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR004650	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	34.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	

Max Width:	3.00 ft		
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR004800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.00 ft	Invert:	0.80 ft
From Node:	LAR004800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004900		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	3.01 ft	Invert:	3.00 ft
From Node:	LAR004900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.89 ft	Invert:	3.01 ft
From Node:	LAR005000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.78 ft	Invert:	2.89 ft
From Node:	LAR005100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005000	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.50 ft	Invert:	2.00 ft
From Node:	LAR005200	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR005100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005300		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.10 ft	Invert:	2.00 ft
From Node:	LAR005300	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR005100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR005400			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR005400	Default:	0.00 ft
To Node:	LAR005350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	5.30 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Max Width:	25.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Drop Structure Link: LAR005500		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	4.60 ft	Invert:	4.60 ft
From Node:	LAR005500	Manning's N:	0.0130	Manning's N:	0.0130

To Node:	LAR005400
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	10
Pipe Count:	1
Damping:	0.0000 ft
Length:	93.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	6.18 ft
Control Elevation:	6.18 ft
Max Depth:	4.00 ft
Max Width:	4.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	0.50 ft
Max Width:	150.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR005600		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.15 ft	Invert:	1.97 ft
From Node:	LAR005600	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR000700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005700		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	3.00 ft	Invert:	2.50 ft
From Node:	LAR005700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	96.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	7.00 ft	Ref Node:	
Control Elevation:	7.00 ft	Discharge Coefficients	
Max Depth:	4.00 ft	Weir Default:	3.200
Max Width:	4.00 ft		

Fillet:	0.00 ft		
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR005800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	4.57 ft	Invert:	4.00 ft
From Node:	LAR005800	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	272.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	5.70 ft	Invert:	4.57 ft
From Node:	LAR005900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	359.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	7.50 ft	Ref Node:	
Control Elevation:	7.50 ft	**Discharge Coefficients**	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	8.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	7.00 ft	Invert:	6.38 ft
From Node:	LAR006000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000900	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	3.50 ft	Invert:	3.40 ft
From Node:	LAR006100	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR001200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft

Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	71.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006200		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	7.64 ft	Invert:	2.60 ft
From Node:	LAR006200	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR006100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	897.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	13.02 ft	Ref Node:	
Control Elevation:	13.02 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006300		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	2.84 ft	Invert:	2.70 ft
From Node:	LAR006300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	**Bottom Clip**			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	**Top Clip**			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	3.00 ft	Invert:	2.84 ft
From Node:	LAR006400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	**Bottom Clip**			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	

Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	140.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006500		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	7.10 ft	Invert:	6.90 ft
From Node:	LAR006500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	58.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	9.95 ft
Control Elevation:	9.95 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR006600A	
Scenario:	LAR Prop Imp A
From Node:	LAR006600
To Node:	LAR006550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	2.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006600B	
Scenario:	LAR Prop Imp A
From Node:	LAR006600
To Node:	LAR006550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	

Geometry Type:	Rectangular
Invert:	9.64 ft
Control Elevation:	9.64 ft
Max Depth:	1.00 ft
Max Width:	615.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006700A

Scenario:	LAR Prop Imp A
From Node:	LAR006700
To Node:	LAR006650S
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	6.00 ft
Control Elevation:	6.00 ft
Max Depth:	1.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	25.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006700B

Scenario:	LAR Prop Imp A
From Node:	LAR006700
To Node:	LAR006650N
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	6.00 ft
Control Elevation:	6.00 ft
Max Depth:	1.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	25.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006700C			
Scenario:	LAR Prop Imp A	**Bottom Clip**	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.00 ft	**Discharge Coefficients**	
Control Elevation:	7.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	1140.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Drop Structure Link: LAR006800		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	1.58 ft	Invert:	0.02 ft
From Node:	LAR006800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	482.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component			
Weir:	1	**Bottom Clip**	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	**Top Clip**	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	7.00 ft	Op Table:	
Control Elevation:	7.00 ft	Ref Node:	
Max Depth:	3.00 ft	**Discharge Coefficients**	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	

Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	6.60 ft	Invert:	2.60 ft
From Node:	LAR006900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	522.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.00 ft	Op Table:	
Control Elevation:	11.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	3.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	

Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	14.00 ft
Control Elevation:	14.00 ft
Max Depth:	1.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	182.00 ft
Left Slope:	150.000 (h:v)
Right Slope:	100.000 (h:v)

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR007000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	12.00 ft	Invert:	11.00 ft
From Node:	LAR007000	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR006900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	525.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR007100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	0.00 ft	Invert:	-0.50 ft
From Node:	LAR007100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007050	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000

		Top Clip			
Length:	304.00 ft				
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	1.50 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	9.50 ft	Ref Node:	
Control Elevation:	9.50 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR007200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.50 ft	Invert:	5.50 ft
From Node:	LAR007200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007150	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007250		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.50 ft	Invert:	5.50 ft
From Node:	LAR007250	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007300			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR007300	Default:	0.00 ft
To Node:	LAR007250E	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	9.41 ft	Discharge Coefficients	
Control Elevation:	9.41 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Max Width:	11.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: LAR007400A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	10.77 ft	Invert:	9.41 ft
From Node:	LAR007400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	452.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR007400B		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	16.00 ft	Invert:	9.41 ft
From Node:	LAR007400	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	LAR007300	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	11.00 ft
Length:	485.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	22.000 (h:v)
Contraction Coef:	0.00	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007500A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.72 ft	Invert:	10.87 ft
From Node:	LAR007500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR007500B		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	17.00 ft	Invert:	16.00 ft
From Node:	LAR007500	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	LAR007400	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	495.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	20.000 (h:v)
Contraction Coef:	0.00	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007600A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	10.00 ft	Invert:	8.00 ft
From Node:	LAR007600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007550	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000
		Manning's N:	0.0000

Comment:

Weir Link: LAR007600B			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR007600	Default:	0.00 ft
To Node:	LAR007550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	15.00 ft	Discharge Coefficients	
Control Elevation:	15.00 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Channel Link: LAR007700		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	12.61 ft	Invert:	11.32 ft
From Node:	LAR007700	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR007650	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-4600C-US	Cross Section:	X-4600C-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1265.94 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR007800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	13.81 ft	Invert:	13.27 ft
From Node:	LAR007800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007700	Geometry:	Circular	Geometry:	Circular

Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007900

Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR007900	Default:	0.00 ft
To Node:	LAR007850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	8.50 ft	Discharge Coefficients	
Control Elevation:	8.50 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	27.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Weir Link: LAR007900B

Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR007900	Default:	0.00 ft
To Node:	LAR007850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.00 ft	Discharge Coefficients	
Control Elevation:	9.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	200.00 ft	Orifice Table:	

Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Comment:

Pipe Link: LAR008000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	4.17 ft	Invert:	3.84 ft
From Node:	LAR008000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007900	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	111.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: reversed 'from' and 'to' nodes

Pipe Link: LAR008100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	4.76 ft	Invert:	2.00 ft
From Node:	LAR008100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008000	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	90.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR008200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	8.50 ft	Invert:	5.21 ft
From Node:	LAR008200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008100	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	327.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR008300		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.01 ft	Invert:	10.00 ft
From Node:	LAR008300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.21 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR008400A			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR008400	Default:	0.00 ft
To Node:	LAR008350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.00 ft	Discharge Coefficients	
Control Elevation:	10.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	20.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		

Right Slope:	3.000 (h:v)

Comment:

Weir Link: LAR008400B

Scenario:	LAR Prop Imp A	**Bottom Clip**	
From Node:	LAR008400	Default:	0.00 ft
To Node:	LAR008350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.00 ft	**Discharge Coefficients**	
Control Elevation:	11.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	1230.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: LAR008500A

Scenario:	LAR Prop Imp A	**Bottom Clip**	
From Node:	LAR008500	Default:	0.00 ft
To Node:	LAR008450	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.40 ft	**Discharge Coefficients**	
Control Elevation:	10.40 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	26.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Weir Link: LAR008500B

Scenario:	LAR Prop Imp A	**Bottom Clip**	
From Node:	LAR008500	Default:	0.00 ft
To Node:	LAR008450	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	1.00 ft
Max Width:	650.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008600A

Scenario:	LAR Prop Imp A
From Node:	LAR008600
To Node:	LAR008450
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	11.70 ft
Control Elevation:	11.70 ft
Max Depth:	1.30 ft
Extrapolation Method:	Normal Projection
Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008600B

Scenario:	LAR Prop Imp A
From Node:	LAR008600
To Node:	LAR008550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	12.50 ft
Control Elevation:	12.50 ft
Max Depth:	1.00 ft
Max Width:	450.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008700A			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR008700	Default:	0.00 ft
To Node:	LAR008650	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.00 ft	Discharge Coefficients	
Control Elevation:	10.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		
Comment:			

Weir Link: LAR008700B			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR008700	Default:	0.00 ft
To Node:	LAR008650	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.00 ft	Discharge Coefficients	
Control Elevation:	11.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	410.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: LAR008800			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR008800	Default:	0.00 ft
To Node:	LAR008750	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.90 ft	Discharge Coefficients	
Control Elevation:	10.90 ft	Weir Default:	2.800

Max Depth:	2.10 ft
Extrapolation Method:	Normal Projection
Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008900

Scenario:	LAR Prop Imp A
From Node:	LAR008900
To Node:	LAR008850
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	11.67 ft
Control Elevation:	11.67 ft
Max Depth:	4.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	5.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: LAR008901

Scenario:	LAR Prop Imp A
From Node:	LAR008901
To Node:	LAR008900
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	23.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream		Downstream	
Invert:	8.00 ft	Invert:	7.50 ft
Manning's N:	0.0110	Manning's N:	0.0110
Geometry: Circular		**Geometry: Circular**	
Max Depth:	3.50 ft	Max Depth:	3.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR008902		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	12.50 ft	Invert:	12.00 ft
From Node:	LAR008902	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR008901	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	465.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	17.00 ft	Ref Node:	
Control Elevation:	17.00 ft	Discharge Coefficients	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	2.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009000		Bottom Clip	
Scenario:	LAR Prop Imp A	Default:	0.00 ft
From Node:	LAR009000	Op Table:	
To Node:	LAR008950	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Trapezoidal	Discharge Coefficients	
Invert:	12.05 ft		

Control Elevation:	12.05 ft		
Max Depth:	1.95 ft	Weir Default:	2.800
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	10.00 ft	Orifice Default:	0.600
Left Slope:	3.000 (h:v)	Orifice Table:	
Right Slope:	3.000 (h:v)		

Comment:

Pipe Link: LAR009100A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.88 ft	Invert:	11.78 ft
From Node:	LAR009100	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR009050	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.64 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009100B			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR009100	Default:	0.00 ft
To Node:	LAR009050	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	13.00 ft	Discharge Coefficients	
Control Elevation:	13.00 ft	Weir Default:	2.800
Max Depth:	0.21 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	170.00 ft	Orifice Table:	
Left Slope:	20.000 (h:v)		
Right Slope:	25.000 (h:v)		

Comment:

Channel Link: LAR009200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	13.60 ft	Invert:	12.50 ft
From Node:	LAR009200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR009150	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Length:	582.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	12.000 (h:v)
Contraction Coef:	0.00	Right Slope:	9.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR009300A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	6.83 ft	Invert:	8.83 ft
From Node:	LAR009300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	629.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009300B			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR009300	Default:	0.00 ft
To Node:	LAR009250	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	12.08 ft
Control Elevation:	12.08 ft
Max Depth:	1.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	35.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: LAR009400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp A	Invert:	8.92 ft	Invert:	8.83 ft
From Node:	LAR009400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	79.32 ft	Top Clip			
FHWA Code:	3	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	13.50 ft
Control Elevation:	13.50 ft
Max Depth:	1.40 ft
Max Width:	8.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009600			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR009600	Default:	0.00 ft
To Node:	LAR009550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	14.60 ft	Discharge Coefficients	
Control Elevation:	14.60 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	50.00 ft	Orifice Table:	
Left Slope:	40.000 (h:v)		
Right Slope:	40.000 (h:v)		
Comment:			

Pipe Link: LAR009700		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.36 ft	Invert:	11.00 ft
From Node:	LAR009700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007450	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	168.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR009800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.70 ft	Invert:	11.36 ft
From Node:	LAR009800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009700	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR009900		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	12.27 ft	Invert:	11.70 ft
From Node:	LAR009900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009800	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	124.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010000A		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	10.90 ft	Invert:	7.01 ft
From Node:	LAR010000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009900	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	344.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR010000B	Upstream	Downstream

Scenario:	LAR Prop Imp A	Invert:	14.50 ft	Invert:	14.00 ft
From Node:	LAR010000	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	LAR009900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	15.00 ft
Length:	275.00 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)
Contraction Coef:	0.00	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.85 ft	Invert:	11.42 ft
From Node:	LAR010100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007450	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	137.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010200		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	8.38 ft	Invert:	6.19 ft
From Node:	LAR010200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010150	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	333.00 ft	Op Table:		Op Table:	

FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010400		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	10.50 ft	Invert:	10.10 ft
From Node:	LAR010400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010300	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR010500		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	12.90 ft	Invert:	10.31 ft
From Node:	LAR010500	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-17100C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1322.16 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR010600		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.02 ft	Invert:	10.31 ft
From Node:	LAR010600	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-17200C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	482.80 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.95 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR010700		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	13.99 ft	Invert:	10.31 ft
From Node:	LAR010700	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-17500C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1115.03 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR010900		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	10.30 ft	Invert:	9.90 ft
From Node:	LAR010900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010800	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR011000		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	10.57 ft	Invert:	9.45 ft
From Node:	LAR011000	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010900	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-17400C-US	Cross Section:	X-17300C-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	580.24 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.84 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR011100		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	15.03 ft	Invert:	13.27 ft
From Node:	LAR011100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	905.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR011300		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	5.50 ft	Invert:	5.50 ft

From Node:	LAR011300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR011500		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	9.50 ft	Invert:	9.25 ft
From Node:	LAR011500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011400	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR011600			
Scenario:	LAR Prop Imp A	Bottom Clip	
From Node:	LAR011600	Default:	0.00 ft
To Node:	LAR011550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.60 ft	Discharge Coefficients	
Control Elevation:	9.60 ft	Weir Default:	2.800
Max Depth:	0.70 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600

Bottom Width:	25.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Orifice Table:

Comment:

Pipe Link: LAR011800		Upstream		Downstream	
Scenario:	LAR Prop Imp A	Invert:	11.86 ft	Invert:	12.05 ft
From Node:	LAR011800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR000100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	-2.15 ft	Invert:	-2.47 ft
From Node:	LAR000100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000000	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	4	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	117.00 ft	Bottom Clip			
FHWA Code:	14	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR000200	Upstream	Downstream

Scenario:	LAR Prop Imp B	Invert:	-0.84 ft	Invert:	-2.15 ft
From Node:	LAR000200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000100	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00200-Refined	Cross Section:	XS-00100-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1841.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000300		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	-0.35 ft	Invert:	-0.84 ft
From Node:	LAR000300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000200	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00300-Refined	Cross Section:	XS-00200-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	702.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000400		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	0.80 ft	Invert:	1.14 ft
From Node:	LAR000400	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00400-LIDAR	Cross Section:	XS-00300-NE-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	175.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				

Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR000500		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.00 ft	Invert:	0.80 ft
From Node:	LAR000500	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-500-LIDAR	Cross Section:	XS-00400-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2191.74 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.04				
Bend Location:	0.36 dec				
Energy Switch:	Energy				

Comment: Cbend 0.001*40deg deflect = 0.04

Channel Link: LAR000600		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	0.87 ft	Invert:	-0.35 ft
From Node:	LAR000600	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00600-Refined	Cross Section:	XS-00300-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1717.15 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000700		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.55 ft	Invert:	1.33 ft
From Node:	LAR000700	Manning's N:	0.0500	Manning's N:	0.0500

To Node:	LAR000600	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-00700-LIDAR	Cross Section:	XS-00600-NE-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2417.32 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.61 ft	Invert:	2.55 ft
From Node:	LAR000800	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000700	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-00800-LIDAR	Cross Section:	XS-00700-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	479.05 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000900		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.82 ft	Invert:	2.61 ft
From Node:	LAR000900	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000800	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-900-LIDAR	Cross Section:	XS-00800-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	736.29 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch:	Energy
Comment:	

Channel Link: LAR001000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.37 ft	Invert:	2.82 ft
From Node:	LAR001000	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000900	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1000-LIDAR	Cross Section:	XS-900-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	574.51 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR001100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	1.53 ft	Invert:	2.37 ft
From Node:	LAR001100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001000	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	2	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	86.48 ft	Bottom Clip			
FHWA Code:	19	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: LAR001200		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.40 ft	Invert:	1.53 ft
From Node:	LAR001200	Manning's N:	0.0350	Manning's N:	0.0350

		Geometry: Irregular		Geometry: Irregular	
To Node:	LAR001100	Cross Section:	XS-1200-LIDAR	Cross Section:	XS-1100-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	149.81 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR001300		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.69 ft	Invert:	3.40 ft
From Node:	LAR001300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001200	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-1300-LIDAR	Cross Section:	XS-1200-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	370.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR001400		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	4.68 ft	Invert:	3.69 ft
From Node:	LAR001400	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001300	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-1400-DS-LIDAR	Cross Section:	XS-1300-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	488.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch:	Energy

Comment:

Channel Link: LAR001500		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	5.78 ft	Invert:	4.68 ft
From Node:	LAR001500	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1500-LIDAR	Cross Section:	XS-1400-DS-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	615.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Drop Structure Link: LAR001600		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	6.30 ft	Invert:	6.30 ft
From Node:	LAR001600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001500	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both		Bottom Clip		
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	65.00 ft		Top Clip		
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal		

Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	4.00 ft
Max Width:	4.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	9.40 ft
Control Elevation:	9.40 ft
Max Depth:	1.00 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR001700

Scenario:	LAR Prop Imp B
From Node:	LAR001700
To Node:	LAR001400
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	563.20 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream

Invert:	6.84 ft
Manning's N:	0.0350

Geometry: Irregular

Cross Section:	XS-1700-LIDAR

Downstream

Invert:	6.08 ft
Manning's N:	0.0350

Geometry: Irregular

Cross Section:	XS-1400-N-LIDAR

Comment:

Channel Link: LAR001800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	10.25 ft	Invert:	6.84 ft
From Node:	LAR001800	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001700	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1800-LIDAR	Cross Section:	XS-1700-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	731.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Drop Structure Link: LAR001900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	8.70 ft	Invert:	7.58 ft
From Node:	LAR001900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001800	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	373.50 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	13.20 ft	Ref Node:	
Control Elevation:	13.20 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft		

Fillet: 0.00 ft

Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment:

Drop Structure Comment:

Channel Link: LAR002000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	1.63 ft	Invert:	0.87 ft
From Node:	LAR002000	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR000600	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2000-DS-Refined	Cross Section:	XS-00600-NW-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1072.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.30 ft	Invert:	1.63 ft
From Node:	LAR002100	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002000	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2100-Refined	Cross Section:	XS-2000-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	939.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002200		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.17 ft	Invert:	2.30 ft
From Node:	LAR002200	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002100	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2200-1-Refined	Cross Section:	XS-2100-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1234.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002300		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.37 ft	Invert:	3.17 ft
From Node:	LAR002300	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002200	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2300-Refined-DS	Cross Section:	XS-2200-1-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	282.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002400		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	5.47 ft	Invert:	3.37 ft
From Node:	LAR002400	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2400-LIDAR	Cross Section:	XS-2300-Refined-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	498.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR002500		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.90 ft	Invert:	3.37 ft
From Node:	LAR002500	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02500-Refined	Cross Section:	XS-02300-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	742.76 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002600		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	4.62 ft	Invert:	3.90 ft
From Node:	LAR002600	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002500	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02600-Refined	Cross Section:	XS-02500-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1016.60 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR002650		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	5.25 ft	Invert:	5.00 ft

From Node:	LAR002800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR002700	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	2	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Max Width:	10.00 ft	Max Width:	10.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	72.00 ft	Bottom Clip			
FHWA Code:	9	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR002700		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	5.00 ft	Invert:	4.62 ft
From Node:	LAR002700	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002600	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-02700-Refined	Cross Section:	XS-02600-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	538.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR002800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	5.25 ft	Invert:	5.00 ft
From Node:	LAR002800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR002750	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: removed upstream 1d node interface, connect directly to 1d node

Channel Link: LAR002900		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	6.91 ft	Invert:	7.00 ft
From Node:	LAR002900	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002800	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02900-LIDAR	Cross Section:	XS-02800-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	250.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR003000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	0.16 ft	Invert:	1.63 ft
From Node:	LAR003000	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002000	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-3000-LIDAR	Cross Section:	XS-2000-DS-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2930.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.14				
Bend Location:	0.05 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR003100A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	0.56 ft	Invert:	0.16 ft

From Node:	LAR003100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003000	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	67.00 ft	Bottom Clip			
FHWA Code:	9	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR003100B

Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR003100	Default:	0.00 ft
To Node:	LAR003000	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Parabolic	Ref Node:	
Invert:	8.20 ft	Discharge Coefficients	
Control Elevation:	8.20 ft	Weir Default:	2.800
Max Depth:	1.10 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	

Comment:

Channel Link: LAR003200

Scenario:	LAR Prop Imp B	Upstream		Downstream	
From Node:	LAR003200	Invert:	0.70 ft	Invert:	0.56 ft
To Node:	LAR003100	Manning's N:	0.0500	Manning's N:	0.0500
Link Count:	1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Flow Direction:	Both	Max Depth:	10.00 ft	Max Depth:	10.00 ft
Damping:	0.0000 ft	Extrapolation:	Normal	Extrapolation:	Normal
Length:	169.22 ft	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Contraction Coef:	0.10	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Expansion Coef:	0.30	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Entr Loss Coef:	0.00	Bottom Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	

Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003300A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	0.89 ft	Invert:	0.70 ft
From Node:	LAR003300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	118.00 ft	Bottom Clip			
FHWA Code:	9	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR003300B			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR003300	Default:	0.00 ft
To Node:	LAR003200	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.71 ft	Discharge Coefficients	
Control Elevation:	10.71 ft	Weir Default:	2.800
Cross Section:	XS-9100W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Channel Link: LAR003400		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	4.43 ft	Invert:	0.89 ft
From Node:	LAR003400	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR003300	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-03400-LIDAR	Cross Section:	XS-03300-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2197.45 ft				
Contraction Coef:	0.10				
Expansion Coef:	0.30				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.09				
Bend Location:	0.84 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR003500		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.73 ft	Invert:	1.20 ft
From Node:	LAR003500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1382.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR003600		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.80 ft	Invert:	1.20 ft
From Node:	LAR003600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2075.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003700		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.50 ft	Invert:	2.80 ft
From Node:	LAR003700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003600	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	327.38 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR003800		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	3.75 ft	Invert:	3.50 ft
From Node:	LAR003800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	70.37 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1		
Weir Count:	1	Default:	0.00 ft

Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	5.00 ft
Max Width:	5.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component	
Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	12.50 ft
Control Elevation:	12.50 ft
Max Depth:	1.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	25.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR003900		**Upstream**		**Downstream**	
Scenario:	LAR Prop Imp B	Invert:	4.98 ft	Invert:	3.73 ft
From Node:	LAR003900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003500	**Geometry: Circular**		**Geometry: Circular**	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	**Bottom Clip**			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1272.54 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	**Top Clip**			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	8.00 ft	Invert:	4.96 ft
From Node:	LAR004000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	89.16 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	6.20 ft	Invert:	4.98 ft
From Node:	LAR004100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	861.22 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004200		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	7.50 ft	Invert:	6.20 ft
From Node:	LAR004201	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	65.83 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR004300A		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	8.63 ft	Invert:	6.24 ft
From Node:	LAR004300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	2610.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Momentum				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	15.05 ft	Op Table:	
Control Elevation:	15.05 ft	Ref Node:	
Max Depth:	5.00 ft	Discharge Coefficients	
Max Width:	5.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR004300B		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	13.50 ft	Invert:	11.90 ft
From Node:	LAR004300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR004100	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	2470.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004500		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	13.30 ft	Invert:	13.30 ft
From Node:	LAR004500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004400	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	188.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR004600			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR004600	Default:	0.00 ft
To Node:	LAR004550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	3.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	3.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: LAR004700

Scenario:	LAR Prop Imp B
From Node:	LAR004700
To Node:	LAR004650
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	10
Pipe Count:	1
Damping:	0.0000 ft
Length:	34.00 ft
FHWA Code:	0
Entr Loss Coef:	0.00
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe	
Invert:	5.20 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	3.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe	
Invert:	5.00 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	3.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR004800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.00 ft	Invert:	0.80 ft
From Node:	LAR004800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR004900		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	3.01 ft	Invert:	3.00 ft
From Node:	LAR004900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.89 ft	Invert:	3.01 ft
From Node:	LAR005000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.78 ft	Invert:	2.89 ft
From Node:	LAR005100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005000	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005200		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.50 ft	Invert:	2.00 ft
From Node:	LAR005200	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR005100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005300		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.10 ft	Invert:	2.00 ft

From Node:	LAR005300	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR005100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR005400			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR005400	Default:	0.00 ft
To Node:	LAR005350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	5.30 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Max Width:	25.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Drop Structure Link: LAR005500		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	4.60 ft	Invert:	4.60 ft
From Node:	LAR005500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	93.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	6.18 ft	Op Table:	
Control Elevation:	6.18 ft	Ref Node:	
Max Depth:	4.00 ft	Discharge Coefficients	
Max Width:	4.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Broad Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.00 ft	Op Table:	
Control Elevation:	11.00 ft	Ref Node:	
Max Depth:	0.50 ft	Discharge Coefficients	
Max Width:	150.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR005600		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.15 ft	Invert:	1.97 ft
From Node:	LAR005600	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR000700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005700		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	3.00 ft	Invert:	2.50 ft
From Node:	LAR005700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	96.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	7.00 ft	Ref Node:	
Control Elevation:	7.00 ft	Discharge Coefficients	
Max Depth:	4.00 ft	Weir Default:	3.200
Max Width:	4.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR005800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	4.57 ft	Invert:	4.00 ft
From Node:	LAR005800	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	272.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	5.70 ft	Invert:	4.57 ft
From Node:	LAR005900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	359.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft

Invert:	7.50 ft
Control Elevation:	7.50 ft
Max Depth:	2.00 ft
Max Width:	8.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	7.00 ft	Invert:	6.38 ft
From Node:	LAR006000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000900	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	3.50 ft	Invert:	3.40 ft
From Node:	LAR006100	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR001200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	71.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006200		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	7.64 ft	Invert:	2.60 ft
From Node:	LAR006200	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR006100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	897.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	13.02 ft
Control Elevation:	13.02 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006300		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	2.84 ft	Invert:	2.70 ft
From Node:	LAR006300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	3.00 ft	Invert:	2.84 ft
From Node:	LAR006400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	140.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006500		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	7.10 ft	Invert:	6.90 ft
From Node:	LAR006500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	58.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	9.95 ft
Control Elevation:	9.95 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR006600A

Scenario:	LAR Prop Imp B
From Node:	LAR006600
To Node:	LAR006550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	2.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006600B

Scenario:	LAR Prop Imp B
From Node:	LAR006600
To Node:	LAR006550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	9.64 ft
Control Elevation:	9.64 ft
Max Depth:	1.00 ft
Max Width:	615.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006700A

Scenario:	LAR Prop Imp B	**Bottom Clip**	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	6.00 ft	**Discharge Coefficients**	
Control Elevation:	6.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	25.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Weir Link: LAR006700B

Scenario:	LAR Prop Imp B	**Bottom Clip**	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	6.00 ft	**Discharge Coefficients**	
Control Elevation:	6.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	25.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Weir Link: LAR006700C

Scenario:	LAR Prop Imp B	**Bottom Clip**	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	7.00 ft
Control Elevation:	7.00 ft
Max Depth:	1.00 ft
Max Width:	1140.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: LAR006800		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	1.58 ft	Invert:	0.02 ft
From Node:	LAR006800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	482.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	7.00 ft
Control Elevation:	7.00 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	6.60 ft	Invert:	2.60 ft
From Node:	LAR006900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	522.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	11.00 ft	Ref Node:	
Control Elevation:	11.00 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Trapezoidal	Op Table:	
Invert:	14.00 ft	Ref Node:	
Control Elevation:	14.00 ft	Discharge Coefficients	
Max Depth:	1.00 ft	Weir Default:	3.200
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	182.00 ft	Orifice Default:	0.600
Left Slope:	150.000 (h:v)	Orifice Table:	
Right Slope:	100.000 (h:v)		

Weir Comment:

Drop Structure Comment:

Channel Link: LAR007000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	12.00 ft	Invert:	11.00 ft
From Node:	LAR007000	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR006900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	525.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR007100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	0.00 ft	Invert:	-0.50 ft
From Node:	LAR007100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007050	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	304.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		
Weir:	1	Bottom Clip

Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	1.50 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	9.50 ft
Control Elevation:	9.50 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR007200

Scenario:	LAR Prop Imp B
From Node:	LAR007200
To Node:	LAR007150
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	122.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream

Invert:	5.50 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Downstream

Invert:	5.50 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007250		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	5.50 ft	Invert:	5.50 ft
From Node:	LAR007250	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007300			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR007300	Default:	0.00 ft
To Node:	LAR007250E	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	9.41 ft	Discharge Coefficients	
Control Elevation:	9.41 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Max Width:	11.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: LAR007400A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	10.77 ft	Invert:	9.41 ft
From Node:	LAR007400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	452.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR007400B		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	16.00 ft	Invert:	9.41 ft
From Node:	LAR007400	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	LAR007300	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	11.00 ft
Length:	485.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	22.000 (h:v)
Contraction Coef:	0.00	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Expansion Coef:	0.00		Bottom Clip		
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy		Top Clip		
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007500A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.72 ft	Invert:	10.87 ft
From Node:	LAR007500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR007500B		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	17.00 ft	Invert:	16.00 ft
From Node:	LAR007500	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	LAR007400	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	495.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	20.000 (h:v)
Contraction Coef:	0.00	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007600A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	10.00 ft	Invert:	8.00 ft
From Node:	LAR007600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007550	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007600B			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR007600	Default:	0.00 ft
To Node:	LAR007550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	15.00 ft	Discharge Coefficients	
Control Elevation:	15.00 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		
Comment:			

Channel Link: LAR007700		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	12.61 ft	Invert:	11.32 ft
From Node:	LAR007700	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR007650	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-4600C-US	Cross Section:	X-4600C-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1265.94 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR007800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	13.81 ft	Invert:	13.27 ft
From Node:	LAR007800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007700	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

		Top Clip			
Exit Loss Coef:	0.10				
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007900

		Bottom Clip	
Scenario:	LAR Prop Imp B	Default:	0.00 ft
From Node:	LAR007900	Op Table:	
To Node:	LAR007850	Ref Node:	
Link Count:	1	**Top Clip**	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Trapezoidal	**Discharge Coefficients**	
Invert:	8.50 ft	Weir Default:	2.800
Control Elevation:	8.50 ft	Weir Table:	
Max Depth:	2.00 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	
Bottom Width:	27.00 ft		
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Weir Link: LAR007900B

		Bottom Clip	
Scenario:	LAR Prop Imp B	Default:	0.00 ft
From Node:	LAR007900	Op Table:	
To Node:	LAR007850	Ref Node:	
Link Count:	1	**Top Clip**	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Trapezoidal	**Discharge Coefficients**	
Invert:	9.00 ft	Weir Default:	2.800
Control Elevation:	9.00 ft	Weir Table:	
Max Depth:	0.50 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	
Bottom Width:	200.00 ft		
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Pipe Link: LAR008000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	4.17 ft	Invert:	3.84 ft
From Node:	LAR008000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007900	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	111.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: reversed 'from' and 'to' nodes

Pipe Link: LAR008100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	4.76 ft	Invert:	2.00 ft
From Node:	LAR008100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008000	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	90.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR008200		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	8.50 ft	Invert:	5.21 ft
From Node:	LAR008200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	327.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR008300		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.01 ft	Invert:	10.00 ft
From Node:	LAR008300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.21 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR008400A			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR008400	Default:	0.00 ft
To Node:	LAR008350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.00 ft	Discharge Coefficients	
Control Elevation:	10.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	20.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Weir Link: LAR008400B

Scenario:	LAR Prop Imp B
From Node:	LAR008400
To Node:	LAR008350
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	1.00 ft
Max Width:	1230.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008500A

Scenario:	LAR Prop Imp B
From Node:	LAR008500
To Node:	LAR008450
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	10.40 ft
Control Elevation:	10.40 ft
Max Depth:	2.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	26.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008500B

Scenario:	LAR Prop Imp B
From Node:	LAR008500
To Node:	LAR008450
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800

Max Depth:	1.00 ft		
Max Width:	650.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: LAR008600A

Scenario:	LAR Prop Imp B	**Bottom Clip**	
From Node:	LAR008600	Default:	0.00 ft
To Node:	LAR008450	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	11.70 ft	**Discharge Coefficients**	
Control Elevation:	11.70 ft	Weir Default:	2.800
Max Depth:	1.30 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	20.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Weir Link: LAR008600B

Scenario:	LAR Prop Imp B	**Bottom Clip**	
From Node:	LAR008600	Default:	0.00 ft
To Node:	LAR008550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	12.50 ft	**Discharge Coefficients**	
Control Elevation:	12.50 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	450.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: LAR008700A

Scenario:	LAR Prop Imp B	**Bottom Clip**	

From Node:	LAR008700		
To Node:	LAR008650	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Trapezoidal	Op Table:	
Invert:	10.00 ft	Ref Node:	
Control Elevation:	10.00 ft	Discharge Coefficients	
Max Depth:	1.00 ft	Weir Default:	2.800
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	10.00 ft	Orifice Default:	0.600
Left Slope:	3.000 (h:v)	Orifice Table:	
Right Slope:	3.000 (h:v)		

Comment:

Weir Link: LAR008700B

Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR008700	Default:	0.00 ft
To Node:	LAR008650	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.00 ft	Discharge Coefficients	
Control Elevation:	11.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	410.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: LAR008800

Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR008800	Default:	0.00 ft
To Node:	LAR008750	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.90 ft	Discharge Coefficients	
Control Elevation:	10.90 ft	Weir Default:	2.800
Max Depth:	2.10 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600

Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)
Orifice Table:	

Comment:

Weir Link: LAR008900			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR008900	Default:	0.00 ft
To Node:	LAR008850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	11.67 ft	Discharge Coefficients	
Control Elevation:	11.67 ft	Weir Default:	2.800
Max Depth:	4.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	5.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Pipe Link: LAR008901		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	8.00 ft	Invert:	7.50 ft
From Node:	LAR008901	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR008900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR008902		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	12.50 ft	Invert:	12.00 ft

From Node:	LAR008902	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR008901	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	465.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	17.00 ft	Op Table:	
Control Elevation:	17.00 ft	Ref Node:	
Max Depth:	2.00 ft	Discharge Coefficients	
Max Width:	2.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009000			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR009000	Default:	0.00 ft
To Node:	LAR008950	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	12.05 ft	Discharge Coefficients	
Control Elevation:	12.05 ft	Weir Default:	2.800
Max Depth:	1.95 ft	Weir Table:	

Extrapolation Method:	Normal Projection		
Bottom Width:	10.00 ft	Orifice Default:	0.600
Left Slope:	3.000 (h:v)	Orifice Table:	
Right Slope:	3.000 (h:v)		

Comment:

Pipe Link: LAR009100A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.88 ft	Invert:	11.78 ft
From Node:	LAR009100	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR009050	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.64 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009100B			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR009100	Default:	0.00 ft
To Node:	LAR009050	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	13.00 ft	Discharge Coefficients	
Control Elevation:	13.00 ft	Weir Default:	2.800
Max Depth:	0.21 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	170.00 ft	Orifice Table:	
Left Slope:	20.000 (h:v)		
Right Slope:	25.000 (h:v)		

Comment:

Channel Link: LAR009200	Upstream	Downstream

Scenario:	LAR Prop Imp B	Invert:	13.60 ft	Invert:	12.50 ft
From Node:	LAR009200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR009150	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Length:	582.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	12.000 (h:v)
Contraction Coef:	0.00	Right Slope:	9.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR009300A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	6.83 ft	Invert:	8.83 ft
From Node:	LAR009300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	629.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009300B			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR009300	Default:	0.00 ft
To Node:	LAR009250	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Trapezoidal
Invert:	12.08 ft
Control Elevation:	12.08 ft
Max Depth:	1.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	35.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: LAR009400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp B	Invert:	8.92 ft	Invert:	8.83 ft
From Node:	LAR009400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	79.32 ft	Top Clip			
FHWA Code:	3	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	13.50 ft	Op Table:	
Control Elevation:	13.50 ft	Ref Node:	
Max Depth:	1.40 ft	Discharge Coefficients	
Max Width:	8.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009600			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR009600	Default:	0.00 ft
To Node:	LAR009550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	14.60 ft	Discharge Coefficients	
Control Elevation:	14.60 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	50.00 ft	Orifice Table:	
Left Slope:	40.000 (h:v)		
Right Slope:	40.000 (h:v)		
Comment:			

Pipe Link: LAR009700		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.36 ft	Invert:	11.00 ft
From Node:	LAR009700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007450	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	168.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR009800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.70 ft	Invert:	11.36 ft
From Node:	LAR009800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009700	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR009900		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	12.27 ft	Invert:	11.70 ft
From Node:	LAR009900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009800	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	124.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010000A		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	10.90 ft	Invert:	7.01 ft
From Node:	LAR010000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009900	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	344.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR010000B	Upstream	Downstream

Scenario:	LAR Prop Imp B	Invert:	14.50 ft	Invert:	14.00 ft
From Node:	LAR010000	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	LAR009900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	15.00 ft
Length:	275.00 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)
Contraction Coef:	0.00	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.85 ft	Invert:	11.42 ft
From Node:	LAR010100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007450	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	137.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010200		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	8.38 ft	Invert:	6.19 ft
From Node:	LAR010200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010150	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	333.00 ft	Op Table:		Op Table:	

FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010400		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	10.50 ft	Invert:	10.10 ft
From Node:	LAR010400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010300	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR010500		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	12.90 ft	Invert:	10.31 ft
From Node:	LAR010500	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-17100C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1322.16 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR010600		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.02 ft	Invert:	10.31 ft
From Node:	LAR010600	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-17200C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	482.80 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.95 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR010700		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	13.99 ft	Invert:	10.31 ft
From Node:	LAR010700	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-17500C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1115.03 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR010900		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	10.30 ft	Invert:	9.90 ft
From Node:	LAR010900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010800	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10		Top Clip		

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR011000		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	10.57 ft	Invert:	9.45 ft
From Node:	LAR011000	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010900	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-17400C-US	Cross Section:	X-17300C-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	580.24 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.84 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR011100		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	15.03 ft	Invert:	13.27 ft
From Node:	LAR011100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	905.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR011300		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	5.50 ft	Invert:	5.50 ft

From Node:	LAR011300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR011500		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	9.50 ft	Invert:	9.25 ft
From Node:	LAR011500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011400	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR011600			
Scenario:	LAR Prop Imp B	Bottom Clip	
From Node:	LAR011600	Default:	0.00 ft
To Node:	LAR011550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.60 ft	Discharge Coefficients	
Control Elevation:	9.60 ft	Weir Default:	2.800
Max Depth:	0.70 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600

Bottom Width:	25.00 ft
Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)

Orifice Table:

Comment:

Pipe Link: LAR011800		Upstream		Downstream	
Scenario:	LAR Prop Imp B	Invert:	11.86 ft	Invert:	12.05 ft
From Node:	LAR011800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR000100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	-2.15 ft	Invert:	-2.47 ft
From Node:	LAR000100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000000	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	4	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	117.00 ft	Bottom Clip			
FHWA Code:	14	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR000200	Upstream	Downstream

Scenario:	LAR Prop Imp C	Invert:	-0.84 ft	Invert:	-2.15 ft
From Node:	LAR000200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000100	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00200-Refined	Cross Section:	XS-00100-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1841.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000300		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	-0.35 ft	Invert:	-0.84 ft
From Node:	LAR000300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000200	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00300-Refined	Cross Section:	XS-00200-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	702.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000400		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	0.80 ft	Invert:	1.14 ft
From Node:	LAR000400	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00400-LIDAR	Cross Section:	XS-00300-NE-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	175.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				

Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR000500		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.00 ft	Invert:	0.80 ft
From Node:	LAR000500	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-500-LIDAR	Cross Section:	XS-00400-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2191.74 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.04				
Bend Location:	0.36 dec				
Energy Switch:	Energy				

Comment: Cbend 0.001*40deg deflect = 0.04

Channel Link: LAR000600		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	0.87 ft	Invert:	-0.35 ft
From Node:	LAR000600	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-00600-Refined	Cross Section:	XS-00300-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1717.15 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR000700		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.55 ft	Invert:	1.33 ft
From Node:	LAR000700	Manning's N:	0.0500	Manning's N:	0.0500

To Node:	LAR000600	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-00700-LIDAR	Cross Section:	XS-00600-NE-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2417.32 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.61 ft	Invert:	2.55 ft
From Node:	LAR000800	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000700	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-00800-LIDAR	Cross Section:	XS-00700-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	479.05 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR000900		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.82 ft	Invert:	2.61 ft
From Node:	LAR000900	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000800	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-900-LIDAR	Cross Section:	XS-00800-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	736.29 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch:	Energy
Comment:	

Channel Link: LAR001000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.37 ft	Invert:	2.82 ft
From Node:	LAR001000	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR000900	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1000-LIDAR	Cross Section:	XS-900-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	574.51 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR001100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	1.53 ft	Invert:	2.37 ft
From Node:	LAR001100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001000	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	2	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	86.48 ft	Bottom Clip			
FHWA Code:	19	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: LAR001200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.40 ft	Invert:	1.53 ft
From Node:	LAR001200	Manning's N:	0.0350	Manning's N:	0.0350

		Geometry: Irregular		Geometry: Irregular	
To Node:	LAR001100	Cross Section:	XS-1200-LIDAR	Cross Section:	XS-1100-LIDAR
Link Count:	1				
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	149.81 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR001300		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.69 ft	Invert:	3.40 ft
From Node:	LAR001300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001200	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-1300-LIDAR	Cross Section:	XS-1200-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	370.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR001400		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	4.68 ft	Invert:	3.69 ft
From Node:	LAR001400	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001300	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-1400-DS-LIDAR	Cross Section:	XS-1300-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	488.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch:	Energy

Comment:

Channel Link: LAR001500		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	5.78 ft	Invert:	4.68 ft
From Node:	LAR001500	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-1500-LIDAR	Cross Section:	XS-1400-DS-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	615.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Drop Structure Link: LAR001600		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	6.30 ft	Invert:	6.30 ft
From Node:	LAR001600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001500	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both		Bottom Clip		
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	65.00 ft		Top Clip		
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal		

Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	4.00 ft
Max Width:	4.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	9.40 ft
Control Elevation:	9.40 ft
Max Depth:	1.00 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR001700

Scenario:	LAR Prop Imp C
From Node:	LAR001700
To Node:	LAR001400
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	563.20 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream

Invert:	6.84 ft
Manning's N:	0.0350

Geometry: Irregular

Cross Section:	XS-1700-LIDAR

Downstream

Invert:	6.08 ft
Manning's N:	0.0350

Geometry: Irregular

Cross Section:	XS-1400-N-LIDAR

Comment:

Channel Link: LAR001800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.25 ft	Invert:	6.84 ft
From Node:	LAR001800	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR001700	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-1800-LIDAR	Cross Section:	XS-1700-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	731.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Drop Structure Link: LAR001900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	8.70 ft	Invert:	7.58 ft
From Node:	LAR001900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	373.50 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	13.20 ft	Ref Node:	
Control Elevation:	13.20 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft		

Fillet: 0.00 ft

Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment:

Drop Structure Comment:

Channel Link: LAR002000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	1.63 ft	Invert:	0.87 ft
From Node:	LAR002000	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR000600	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2000-DS-Refined	Cross Section:	XS-00600-NW-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1072.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.30 ft	Invert:	1.63 ft
From Node:	LAR002100	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002000	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2100-Refined	Cross Section:	XS-2000-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	939.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.17 ft	Invert:	2.30 ft
From Node:	LAR002200	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002100	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2200-1-Refined	Cross Section:	XS-2100-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1234.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002300		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.37 ft	Invert:	3.17 ft
From Node:	LAR002300	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR002200	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2300-Refined-DS	Cross Section:	XS-2200-1-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	282.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR002400		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	5.47 ft	Invert:	3.37 ft
From Node:	LAR002400	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-2400-LIDAR	Cross Section:	XS-2300-Refined-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	498.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Channel Link: LAR002500		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.90 ft	Invert:	3.37 ft
From Node:	LAR002500	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002300	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02500-Refined	Cross Section:	XS-02300-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	742.76 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR002600		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	4.62 ft	Invert:	3.90 ft
From Node:	LAR002600	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002500	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02600-Refined	Cross Section:	XS-02500-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1016.60 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR002650		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	5.25 ft	Invert:	5.00 ft

From Node:	LAR002800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR002700	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	2	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Max Width:	10.00 ft	Max Width:	10.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	72.00 ft	Bottom Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR002700		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	5.00 ft	Invert:	4.62 ft
From Node:	LAR002700	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002600	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-02700-Refined	Cross Section:	XS-02600-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	538.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR002800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	5.25 ft	Invert:	5.00 ft
From Node:	LAR002800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR002750	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: removed upstream 1d node interface, connect directly to 1d node

Channel Link: LAR002900		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	6.91 ft	Invert:	7.00 ft
From Node:	LAR002900	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002800	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-02900-LIDAR-REFINED	Cross Section:	XS-02800-LIDAR-REFINED
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	250.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: LAR003000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	0.16 ft	Invert:	1.63 ft
From Node:	LAR003000	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR002000	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	XS-3000-LIDAR	Cross Section:	XS-2000-DS-Refined
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2930.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.14				
Bend Location:	0.05 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR003100A		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	0.56 ft	Invert:	0.16 ft

From Node:	LAR003100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003000	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	67.00 ft	Bottom Clip			
FHWA Code:	9	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR003100B

Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR003100	Default:	0.00 ft
To Node:	LAR003000	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Parabolic	Ref Node:	
Invert:	8.20 ft	Discharge Coefficients	
Control Elevation:	8.20 ft	Weir Default:	2.800
Max Depth:	1.10 ft	Weir Table:	
Max Width:	120.00 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	

Comment:

Channel Link: LAR003200

		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	0.70 ft	Invert:	0.56 ft
From Node:	LAR003200	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR003100	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	10.00 ft	Max Depth:	10.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Length:	169.22 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	

Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003300A		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	0.89 ft	Invert:	0.70 ft
From Node:	LAR003300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	118.00 ft	Bottom Clip			
FHWA Code:	9	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR003300B			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR003300	Default:	0.00 ft
To Node:	LAR003200	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.71 ft	Discharge Coefficients	
Control Elevation:	10.71 ft	Weir Default:	2.800
Cross Section:	XS-9100W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Channel Link: LAR003400		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	4.43 ft	Invert:	0.89 ft
From Node:	LAR003400	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	LAR003300	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	XS-03400-LIDAR	Cross Section:	XS-03300-LIDAR
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	2197.45 ft				
Contraction Coef:	0.10				
Expansion Coef:	0.30				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.09				
Bend Location:	0.84 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR003500		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.73 ft	Invert:	1.20 ft
From Node:	LAR003500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1382.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR003600		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.80 ft	Invert:	1.20 ft
From Node:	LAR003600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2075.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR003700		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.50 ft	Invert:	2.80 ft
From Node:	LAR003700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003600	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	327.38 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR003800		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	3.75 ft	Invert:	3.50 ft
From Node:	LAR003800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	70.37 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1		
Weir Count:	1	Default:	0.00 ft

Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	5.00 ft
Max Width:	5.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	12.50 ft
Control Elevation:	12.50 ft
Max Depth:	1.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	25.00 ft
Left Slope:	10.000 (h:v)
Right Slope:	10.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR003900		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	4.98 ft	Invert:	3.73 ft
From Node:	LAR003900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1272.54 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	8.00 ft	Invert:	4.96 ft
From Node:	LAR004000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	89.16 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	6.20 ft	Invert:	4.98 ft
From Node:	LAR004100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR003900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	861.22 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	7.50 ft	Invert:	6.20 ft
From Node:	LAR004201	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	65.83 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR004300A		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	8.63 ft	Invert:	6.24 ft
From Node:	LAR004300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	2610.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Momentum				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	15.05 ft	Op Table:	
Control Elevation:	15.05 ft	Ref Node:	
Max Depth:	5.00 ft	Discharge Coefficients	
Max Width:	5.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR004300B		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	13.50 ft	Invert:	11.90 ft
From Node:	LAR004300	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR004100	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	4.00 ft	Bottom Width:	4.00 ft
Length:	2470.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR004500		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	13.30 ft	Invert:	13.30 ft
From Node:	LAR004500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004400	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	188.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR004600			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR004600	Default:	0.00 ft
To Node:	LAR004550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	3.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	3.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: LAR004700		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	5.20 ft	Invert:	5.00 ft
From Node:	LAR004700	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR004650	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	34.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR004800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.00 ft	Invert:	0.80 ft
From Node:	LAR004800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR004900		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	3.01 ft	Invert:	3.00 ft
From Node:	LAR004900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	80.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR005000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.89 ft	Invert:	3.01 ft
From Node:	LAR005000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR004900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.78 ft	Invert:	2.89 ft
From Node:	LAR005100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005000	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.50 ft	Invert:	2.00 ft
From Node:	LAR005200	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR005100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR005300		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.10 ft	Invert:	2.00 ft

From Node:	LAR005300	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR005100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR005400

Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR005400	Default:	0.00 ft
To Node:	LAR005350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	5.30 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Max Width:	25.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Drop Structure Link: LAR005500

		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	4.60 ft	Invert:	4.60 ft
From Node:	LAR005500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	93.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	6.18 ft	Op Table:	
Control Elevation:	6.18 ft	Ref Node:	
Max Depth:	4.00 ft	Discharge Coefficients	
Max Width:	4.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Broad Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.00 ft	Op Table:	
Control Elevation:	11.00 ft	Ref Node:	
Max Depth:	0.50 ft	Discharge Coefficients	
Max Width:	150.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR005600		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.15 ft	Invert:	1.97 ft
From Node:	LAR005600	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR000700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005700		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	3.00 ft	Invert:	2.50 ft
From Node:	LAR005700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	96.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Horizontal	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	7.00 ft	Op Table:	
Control Elevation:	7.00 ft	Ref Node:	
Max Depth:	4.00 ft	Discharge Coefficients	
Max Width:	4.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Channel Link: LAR005800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	4.57 ft	Invert:	4.00 ft
From Node:	LAR005800	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR000900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	3.00 ft	Bottom Width:	3.00 ft
Length:	272.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR005900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	5.70 ft	Invert:	4.57 ft
From Node:	LAR005900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR005800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	359.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft

Invert:	7.50 ft
Control Elevation:	7.50 ft
Max Depth:	2.00 ft
Max Width:	8.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	7.00 ft	Invert:	6.38 ft
From Node:	LAR006000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR000900	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	3.50 ft	Invert:	3.40 ft
From Node:	LAR006100	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR001200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	71.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006200		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	7.64 ft	Invert:	2.60 ft
From Node:	LAR006200	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAR006100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	897.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	13.02 ft
Control Elevation:	13.02 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR006300		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	2.84 ft	Invert:	2.70 ft
From Node:	LAR006300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR006400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	3.00 ft	Invert:	2.84 ft
From Node:	LAR006400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	140.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	**Discharge Coefficients**	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006500		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	7.10 ft	Invert:	6.90 ft
From Node:	LAR006500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR001700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	58.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	9.95 ft
Control Elevation:	9.95 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR006600A

Scenario:	LAR Prop Imp C
From Node:	LAR006600
To Node:	LAR006550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	2.50 ft
Extrapolation Method:	Normal Projection
Bottom Width:	20.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006600B

Scenario:	LAR Prop Imp C
From Node:	LAR006600
To Node:	LAR006550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	9.64 ft
Control Elevation:	9.64 ft
Max Depth:	1.00 ft
Max Width:	615.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR006700A			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	6.00 ft	Discharge Coefficients	
Control Elevation:	6.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	100.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		
Comment:			

Weir Link: LAR006700B			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	6.00 ft	Discharge Coefficients	
Control Elevation:	6.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	25.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		
Comment:			

Weir Link: LAR006700C			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR006700	Default:	0.00 ft
To Node:	LAR006650N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	7.00 ft
Control Elevation:	7.00 ft
Max Depth:	1.00 ft
Max Width:	1140.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: LAR006800		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	1.58 ft	Invert:	0.02 ft
From Node:	LAR006800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	482.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	7.00 ft
Control Elevation:	7.00 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: LAR006900		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	6.60 ft	Invert:	2.60 ft
From Node:	LAR006900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR006800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	522.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	11.00 ft	Ref Node:	
Control Elevation:	11.00 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	3.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Trapezoidal	Op Table:	
Invert:	14.00 ft	Ref Node:	
Control Elevation:	14.00 ft	Discharge Coefficients	
Max Depth:	1.00 ft	Weir Default:	3.200
Extrapolation Method:	Normal Projection	Weir Table:	
Bottom Width:	182.00 ft	Orifice Default:	0.600
Left Slope:	150.000 (h:v)	Orifice Table:	
Right Slope:	100.000 (h:v)		

Weir Comment:

Drop Structure Comment:

Channel Link: LAR007000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	12.00 ft	Invert:	11.00 ft
From Node:	LAR007000	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR006900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	525.00 ft	Left Slope:	4.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	4.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR007100		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	0.00 ft	Invert:	-0.50 ft
From Node:	LAR007100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007050	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	304.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		
Weir:	1	Bottom Clip

Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	1.50 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	9.50 ft
Control Elevation:	9.50 ft
Max Depth:	3.00 ft
Max Width:	3.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: LAR007200

Scenario:	LAR Prop Imp C
From Node:	LAR007200
To Node:	LAR007150
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	122.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream

Invert:	5.50 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Downstream

Invert:	5.50 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007250		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	5.50 ft	Invert:	5.50 ft
From Node:	LAR007250	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007300			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR007300	Default:	0.00 ft
To Node:	LAR007250E	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	9.41 ft	Discharge Coefficients	
Control Elevation:	9.41 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Max Width:	11.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: LAR007400A		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.77 ft	Invert:	9.41 ft
From Node:	LAR007400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007300	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	452.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR007400B		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	16.00 ft	Invert:	9.41 ft
From Node:	LAR007400	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	LAR007300	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	11.00 ft
Length:	485.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	22.000 (h:v)
Contraction Coef:	0.00	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007500A		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	11.72 ft	Invert:	10.87 ft
From Node:	LAR007500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR007500B		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	17.00 ft	Invert:	16.00 ft
From Node:	LAR007500	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	LAR007400	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	495.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	20.000 (h:v)
Contraction Coef:	0.00	Right Slope:	5.000 (h:v)	Right Slope:	5.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR007600A		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.00 ft	Invert:	8.00 ft
From Node:	LAR007600	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007550	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007600B			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR007600	Default:	0.00 ft
To Node:	LAR007550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	15.00 ft	Discharge Coefficients	
Control Elevation:	15.00 ft	Weir Default:	2.800
Max Depth:	5.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	10.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		
Comment:			

Channel Link: LAR007700		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	12.61 ft	Invert:	11.32 ft
From Node:	LAR007700	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR007650	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-4600C-US	Cross Section:	X-4600C-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1265.94 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: LAR007800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	13.81 ft	Invert:	13.27 ft
From Node:	LAR007800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007700	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR007850		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	8.50 ft	Invert:	6.07 ft
From Node:	LAR007850	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR011900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.56 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	627.10 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR007900A			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR007900	Default:	0.00 ft
To Node:	LAR007850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	8.50 ft	Discharge Coefficients	
Control Elevation:	8.50 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	100.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Weir Link: LAR007900B			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR007900	Default:	0.00 ft
To Node:	LAR007850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.00 ft	Discharge Coefficients	
Control Elevation:	9.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	200.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		
Comment:			

Pipe Link: LAR008000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	4.17 ft	Invert:	3.84 ft
From Node:	LAR008000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007900	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	111.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: reversed 'from' and 'to' nodes					

Pipe Link: LAR008100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	4.76 ft	Invert:	2.00 ft
From Node:	LAR008100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008000	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	90.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR008200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	8.50 ft	Invert:	5.21 ft
From Node:	LAR008200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	327.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR008300		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	11.01 ft	Invert:	10.00 ft
From Node:	LAR008300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR008100	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	196.21 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR008400A

Scenario:	LAR Prop Imp C
From Node:	LAR008400
To Node:	LAR012200
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	10.00 ft
Control Elevation:	10.00 ft
Max Depth:	1.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	50.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008400B

Scenario:	LAR Prop Imp C
From Node:	LAR008400
To Node:	LAR012200
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	1.00 ft
Max Width:	1230.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008500A

Scenario:	LAR Prop Imp C
From Node:	LAR008500
To Node:	LAR008450
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	10.40 ft
Control Elevation:	10.40 ft
Max Depth:	2.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	

Extrapolation Method:	Normal Projection		
Bottom Width:	100.00 ft	Orifice Default:	0.600
Left Slope:	1.000 (h:v)	Orifice Table:	
Right Slope:	1.000 (h:v)		

Comment:

Weir Link: LAR008500B

Scenario:	LAR Prop Imp C	**Bottom Clip**	
From Node:	LAR008500	Default:	0.00 ft
To Node:	LAR008450	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.00 ft	**Discharge Coefficients**	
Control Elevation:	11.00 ft	Weir Default:	2.800
Max Depth:	1.00 ft	Weir Table:	
Max Width:	650.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: LAR008600A

Scenario:	LAR Prop Imp C	**Bottom Clip**	
From Node:	LAR008600	Default:	0.00 ft
To Node:	LAR008450	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	11.70 ft	**Discharge Coefficients**	
Control Elevation:	11.70 ft	Weir Default:	2.800
Max Depth:	1.30 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	20.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Weir Link: LAR008600B

Scenario:	LAR Prop Imp C	**Bottom Clip**	

From Node:	LAR008600
To Node:	LAR008550
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	12.50 ft
Control Elevation:	12.50 ft
Max Depth:	1.00 ft
Max Width:	450.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008700A

Scenario:	LAR Prop Imp C
From Node:	LAR008700
To Node:	LAR008650
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	10.00 ft
Control Elevation:	10.00 ft
Max Depth:	1.00 ft
Extrapolation Method:	Normal Projection
Bottom Width:	25.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: LAR008700B

Scenario:	LAR Prop Imp C
From Node:	LAR008700
To Node:	LAR008650
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	11.00 ft
Control Elevation:	11.00 ft
Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	

Max Width:	410.00 ft		
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: LAR008800

Scenario:	LAR Prop Imp C	**Bottom Clip**	
From Node:	LAR008800	Default:	0.00 ft
To Node:	LAR008750	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	10.90 ft	**Discharge Coefficients**	
Control Elevation:	10.90 ft	Weir Default:	2.800
Max Depth:	2.10 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	20.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Weir Link: LAR008900

Scenario:	LAR Prop Imp C	**Bottom Clip**	
From Node:	LAR008900	Default:	0.00 ft
To Node:	LAR008850	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	11.67 ft	**Discharge Coefficients**	
Control Elevation:	11.67 ft	Weir Default:	2.800
Max Depth:	4.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	5.00 ft	Orifice Table:	
Left Slope:	3.000 (h:v)		
Right Slope:	3.000 (h:v)		

Comment:

Pipe Link: LAR008901	Upstream	Downstream

Scenario:	LAR Prop Imp C	Invert:	8.00 ft	Invert:	7.50 ft
From Node:	LAR008901	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR008900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Drop Structure Link: LAR008902		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	12.50 ft	Invert:	12.00 ft
From Node:	LAR008902	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	LAR008901	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	465.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Horizontal	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	17.00 ft	Ref Node:	
Control Elevation:	17.00 ft	Discharge Coefficients	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	2.00 ft	Weir Table:	
Fillet:	0.00 ft		

Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009000

Scenario:	LAR Prop Imp C
From Node:	LAR009000
To Node:	LAR008950
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Trapezoidal
Invert:	12.05 ft
Control Elevation:	12.05 ft
Max Depth:	1.95 ft
Extrapolation Method:	Normal Projection
Bottom Width:	10.00 ft
Left Slope:	3.000 (h:v)
Right Slope:	3.000 (h:v)

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: LAR009100A

Scenario:	LAR Prop Imp C
From Node:	LAR009100
To Node:	LAR009050
Link Count:	2
Flow Direction:	Both
Damping:	0.0000 ft
Length:	41.64 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.10
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream		Downstream	
Invert:	11.88 ft	Invert:	11.78 ft
Manning's N:	0.0110	Manning's N:	0.0110
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009100B			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR009100	Default:	0.00 ft
To Node:	LAR009050	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	13.00 ft	Discharge Coefficients	
Control Elevation:	13.00 ft	Weir Default:	2.800
Max Depth:	0.21 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	170.00 ft	Orifice Table:	
Left Slope:	20.000 (h:v)		
Right Slope:	25.000 (h:v)		
Comment:			

Channel Link: LAR009200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	13.60 ft	Invert:	12.50 ft
From Node:	LAR009200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR009150	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	20.00 ft	Bottom Width:	20.00 ft
Length:	582.00 ft	Left Slope:	20.000 (h:v)	Left Slope:	12.000 (h:v)
Contraction Coef:	0.00	Right Slope:	9.000 (h:v)	Right Slope:	0.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: LAR009300A		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	6.83 ft	Invert:	8.83 ft
From Node:	LAR009300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009400	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	629.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR009300B			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR009300	Default:	0.00 ft
To Node:	LAR009250	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	12.08 ft	Discharge Coefficients	
Control Elevation:	12.08 ft	Weir Default:	2.800
Max Depth:	1.50 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	35.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Drop Structure Link: LAR009400		Upstream Pipe		Downstream Pipe	
Scenario:	LAR Prop Imp C	Invert:	8.92 ft	Invert:	8.83 ft
From Node:	LAR009400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009500	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	79.32 ft	Top Clip			
FHWA Code:	3	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.10	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	13.50 ft	Ref Node:	
Control Elevation:	13.50 ft	**Discharge Coefficients**	
Max Depth:	1.40 ft	Weir Default:	3.200
Max Width:	8.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: LAR009600		Bottom Clip	
Scenario:	LAR Prop Imp C	Default:	0.00 ft
From Node:	LAR009600	Op Table:	
To Node:	LAR009550	Ref Node:	
Link Count:	1	**Top Clip**	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Broad Crested Vertical	Ref Node:	
Geometry Type:	Trapezoidal	**Discharge Coefficients**	
Invert:	14.60 ft	Weir Default:	2.800
Control Elevation:	14.60 ft	Weir Table:	
Max Depth:	0.50 ft	Orifice Default:	0.600
Extrapolation Method:	Normal Projection	Orifice Table:	
Bottom Width:	50.00 ft		
Left Slope:	40.000 (h:v)		
Right Slope:	40.000 (h:v)		

Comment:

Pipe Link: LAR009700		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	11.36 ft	Invert:	11.00 ft
From Node:	LAR009700	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007450	**Geometry: Horizontal Ellipse**		**Geometry: Horizontal Ellipse**	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	**Bottom Clip**			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	168.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR009800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	11.70 ft	Invert:	11.36 ft
From Node:	LAR009800	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009700	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR009900		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	12.27 ft	Invert:	11.70 ft
From Node:	LAR009900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009800	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	124.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010000A		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.90 ft	Invert:	7.01 ft
From Node:	LAR010000	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR009900	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	344.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR010000B		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	14.50 ft	Invert:	14.00 ft
From Node:	LAR010000	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	LAR009900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	15.00 ft
Length:	275.00 ft	Left Slope:	2.000 (h:v)	Left Slope:	2.000 (h:v)
Contraction Coef:	0.00	Right Slope:	2.000 (h:v)	Right Slope:	2.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	11.85 ft	Invert:	11.42 ft
From Node:	LAR010100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007450	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	137.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	8.38 ft	Invert:	6.19 ft
From Node:	LAR010200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010150	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	333.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR010400		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.50 ft	Invert:	10.10 ft
From Node:	LAR010400	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010300	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.00 ft	Op Table:		Op Table:	
FHWA Code:	3	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR010500		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	12.90 ft	Invert:	10.31 ft
From Node:	LAR010500	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-17100C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1322.16 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR010600		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	11.02 ft	Invert:	10.31 ft
From Node:	LAR010600	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-17200C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	482.80 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.95 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: LAR010700		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	13.99 ft	Invert:	10.31 ft
From Node:	LAR010700	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010400	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	X-17500C-US	Cross Section:	X-17000C-US
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1115.03 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: LAR010900		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.30 ft	Invert:	9.90 ft
From Node:	LAR010900	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR010800	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	72.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR011000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.57 ft	Invert:	9.45 ft
From Node:	LAR011000	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	LAR010900	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	X-17400C-US	Cross Section:	X-17300C-DS
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	580.24 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.10				
Bend Location:	0.84 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: LAR011100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	15.03 ft	Invert:	13.27 ft

From Node:	LAR011100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR007700	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	905.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR011300		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	5.50 ft	Invert:	5.50 ft
From Node:	LAR011300	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011200	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	62.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: LAR011500		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	9.50 ft	Invert:	9.25 ft
From Node:	LAR011500	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011400	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: LAR011550			
Scenario:	LAR Prop Imp C	Bottom Clip	
From Node:	LAR011600	Default:	0.00 ft
To Node:	LAR012100	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	9.60 ft	Discharge Coefficients	
Control Elevation:	9.60 ft	Weir Default:	2.800
Max Depth:	0.70 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	25.00 ft	Orifice Table:	
Left Slope:	1.000 (h:v)		
Right Slope:	1.000 (h:v)		

Comment:

Pipe Link: LAR011800		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	11.86 ft	Invert:	12.05 ft
From Node:	LAR012200	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	LAR011900	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR011900		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	6.07 ft	Invert:	5.40 ft
From Node:	LAR011900	Manning's N:	0.0350	Manning's N:	0.0350

To Node:	LAR002900	Geometry: Trapezoidal		Geometry: Irregular	
Link Count:	1	Max Depth:	2.56 ft	Cross Section:	XS-02900-LIDAR-REFINED
Flow Direction:	Both				
Damping:	0.0000 ft	Extrapolation:	Normal		
Length:	1368.09 ft	Bottom Width:	10.00 ft		
Contraction Coef:	0.00	Left Slope:	3.000 (h:v)		
Expansion Coef:	0.00	Right Slope:	3.000 (h:v)		
Entr Loss Coef:	0.00	Bottom Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft		
Bend Loss Coef:	0.00	Op Table:			
Bend Location:	0.00 dec	Ref Node:			
Energy Switch:	Energy	Manning's N:	0.0000		
		Top Clip			
		Default:	0.00 ft		
		Op Table:			
		Ref Node:			
		Manning's N:	0.0000		

Comment:

Channel Link: LAR012000		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	6.71 ft	Invert:	6.07 ft
From Node:	LAR012000	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR011900	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.76 ft	Max Depth:	2.56 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	1071.88 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR012100		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	9.60 ft	Invert:	6.71 ft
From Node:	LAR012100	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR012000	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.70 ft	Max Depth:	1.76 ft

Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	730.08 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: LAR012200		Upstream		Downstream	
Scenario:	LAR Prop Imp C	Invert:	10.00 ft	Invert:	6.71 ft
From Node:	LAR012200	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	LAR012000	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.76 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	356.91 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Simulation: 100yr	
Scenario:	LAR Prop Imp A
Run Date/Time:	4/29/2026 10:14:05 PM
Program Version:	ICPR4 4.07.08

General	
Run Mode:	Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	8	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	11.20 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0100 ft	Dflt Damping (1D):	0.0100 ft
Min Node Srf Area (2D):	3600 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 10yr

Scenario: LAR Prop Imp A
Run Date/Time: 4/29/2026 6:54:04 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 6.66 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 25yr

Scenario: LAR Prop Imp A
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone

	n-values
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	8.32 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 2yr

Scenario:	LAR Prop Imp A
Run Date/Time:	N/A
Program Version:	N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 1 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 4.37 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(2D):		(1D):	
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 50yr

Scenario: LAR Prop Imp A
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Rainfall Folder:	ICPR4	Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:	ICPR4	Curve Number Set:	Curve Number
		Green-Ampt Set:	ICPR4
		Vertical Layers Set:	
		Impervious Set:	Impervious
		Roughness Set:	Roughness Zone n-values
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	8	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	9.72 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0100 ft	Dflt Damping (1D):	0.0100 ft
Min Node Srf Area (2D):	3600 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 5yr

Scenario:	LAR Prop Imp A
Run Date/Time:	N/A
Program Version:	N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

		[sec]	
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	ICPR4
Reference ET Folder:	
Unit Hydrograph Folder:	ICPR4

Lookup Tables

Boundary Stage Set:	
Extern Hydrograph Set:	
Curve Number Set:	Curve Number
Green-Ampt Set:	ICPR4
Vertical Layers Set:	
Impervious Set:	Impervious
Roughness Set:	Roughness Zone n-values
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global

		Opt:	
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	5.56 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 100yr

Scenario: LAR Prop Imp B
Run Date/Time: 4/29/2026 10:40:36 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 8
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0100 ft
Min Node Srf Area (2D): 3600 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 11.20 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0100 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 10yr

Scenario: LAR Prop Imp B
Run Date/Time: 4/29/2026 7:25:44 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:

Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	6.66 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 25yr

Scenario: LAR Prop Imp B
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 8.32 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 2yr

Scenario: LAR Prop Imp B
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone

	n-values
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	4.37 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 50yr

Scenario:	LAR Prop Imp B
Run Date/Time:	N/A
Program Version:	N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 8
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0100 ft
Min Node Srf Area 3600 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 9.72 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0100 ft
Min Node Srf Area 100 ft2

(2D):		(1D):	
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 5yr

Scenario: LAR Prop Imp B
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Rainfall Folder:	ICPR4	Boundary Stage Set:	
Reference ET Folder:		Extern Hydrograph Set:	
Unit Hydrograph Folder:	ICPR4	Curve Number Set:	Curve Number
		Green-Ampt Set:	ICPR4
		Vertical Layers Set:	
		Impervious Set:	Impervious
		Roughness Set:	Roughness Zone n-values
		Crop Coef Set:	
		Fillable Porosity Set:	
		Conductivity Set:	
		Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	5.56 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 100yr

Scenario:	LAR Prop Imp C
Run Date/Time:	4/29/2026 11:00:29 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

Hydrology [sec]	Surface Hydraulics	Groundwater [sec]

		[sec]	
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 8
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain: Global

		Opt:	
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	11.20 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0100 ft	Dflt Damping (1D):	0.0100 ft
Min Node Srf Area (2D):	3600 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 10yr

Scenario: LAR Prop Imp C
Run Date/Time: 4/29/2026 11:28:04 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 6.66 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 25yr

Scenario: LAR Prop Imp C
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:

Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	8.32 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 2yr

Scenario: LAR Prop Imp C
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 4.37 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 50yr

Scenario: LAR Prop Imp C
Run Date/Time: N/A
Program Version: N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0500	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone

	n-values
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	8	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsiii
		Rainfall Amount:	9.72 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0100 ft	Dflt Damping (1D):	0.0100 ft
Min Node Srf Area (2D):	3600 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Simulation: 5yr

Scenario:	LAR Prop Imp C
Run Date/Time:	N/A
Program Version:	N/A

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	10.0000
0	0	0	30.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR4
Reference ET Folder:
Unit Hydrograph Folder: ICPR4

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: Curve Number
Green-Ampt Set: ICPR4
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness Zone n-values
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 1 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Scsiii
Rainfall Amount: 5.56 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(2D):
Energy Switch (2D): Energy

(1D):
Energy Switch (1D): Energy

Comment: Rainfall Amount from NOAA Atlas 14, V9.2

Appendix E. Proposed Improvements Models Result Reports (1D)

Node Max Conditions [LAR Prop Imp A]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR000000	100yr	5.00	4.52	-0.0013	1493.80	200.86	0
LAR000100	100yr	5.00	6.11	-0.0010	1844.22	1843.12	131638
LAR000200	100yr	5.10	6.60	0.0010	1523.17	1623.36	168014
LAR000300	100yr	9.10	6.73	0.0010	2249.08	2245.76	118011
LAR000400	100yr	10.60	6.78	0.0010	606.24	603.85	46534
LAR000500	100yr	12.00	7.46	0.0011	161.17	158.52	26190
LAR000600	100yr	5.02	7.23	0.0009	2425.49	2425.21	261773
LAR000700	100yr	9.31	8.16	0.0005	667.52	678.93	95763
LAR000800	100yr	8.02	9.28	0.0004	649.50	648.58	26734
LAR000900	100yr	9.32	10.18	0.0004	618.59	612.53	32100
LAR001000	100yr	8.37	10.34	-0.0006	318.37	314.71	13257
LAR001100	100yr	9.53	10.51	0.0015	288.42	274.25	4500
LAR001200	100yr	9.50	10.52	0.0004	248.58	258.12	13657
LAR001300	100yr	9.70	10.55	0.0006	187.92	193.77	22533
LAR001400	100yr	12.32	10.57	0.0004	114.00	124.36	37203
LAR001500	100yr	10.00	10.57	0.0004	39.52	41.36	15362
LAR001600	100yr	10.00	13.12	0.0003	256.63	39.52	156816
LAR001700	100yr	14.46	10.71	0.0003	83.71	85.18	13565
LAR001800	100yr	18.00	12.10	0.0010	40.37	40.55	4503
LAR001900	100yr	16.00	16.55	0.0004	118.91	40.37	55713
LAR002000	100yr	5.00	7.45	-0.0003	1544.62	1505.84	242640
LAR002100	100yr	7.20	7.51	0.0003	726.42	707.99	127879
LAR002200	100yr	7.20	7.65	0.0002	445.52	432.35	52162
LAR002300	100yr	7.20	7.74	0.0003	534.58	528.53	78317
LAR002400	100yr	7.50	7.83	0.0002	41.88	41.86	25453
LAR002500	100yr	10.00	8.07	0.0002	314.06	310.83	79799
LAR002600	100yr	10.00	8.41	0.0002	426.05	417.63	91505
LAR002700	100yr	11.37	8.60	0.0003	215.57	215.78	17297
LAR002800	100yr	11.37	10.66	0.0003	263.48	261.18	10339
LAR002900	100yr	8.00	10.70	0.0001	94.86	90.22	14749
LAR003000	100yr	6.16	7.98	-0.0003	1067.65	1063.82	140204
LAR003100	100yr	6.00	9.53	-0.0009	805.56	804.87	6244
LAR003200	100yr	6.00	9.61	0.0004	806.33	805.56	11791
LAR003300	100yr	10.00	10.63	0.0003	366.23	362.88	104982
LAR003400	100yr	8.00	10.68	0.0003	240.26	211.51	141231
LAR003500	100yr	19.79	12.40	-0.0010	90.50	90.52	5517
LAR003600	100yr	15.93	13.82	0.0037	86.02	86.03	5239
LAR003700	100yr	16.00	15.43	0.0187	110.26	86.02	652
LAR003800	100yr	14.00	16.17	0.0005	249.57	110.46	68346
LAR003900	100yr	13.79	17.69	-0.0032	90.48	90.50	4247
LAR004000	100yr	12.91	72.59	0.0010	97.48	70.43	3051
LAR004100	100yr	12.39	17.88	-0.0116	171.12	65.96	46390

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR004300	100yr	15.00	17.92	0.0003	365.79	171.12	183274
LAR004600	100yr	11.00	10.82	0.0004	143.46	129.81	49522
LAR004700	100yr	10.00	12.73	0.0005	206.12	79.48	61376
LAR004800	100yr	5.00	6.81	0.0009	1516.12	1509.42	115482
LAR004900	100yr	11.82	9.04	0.0135	161.18	161.17	300
LAR005000	100yr	11.97	9.79	0.0528	158.38	158.39	250
LAR005100	100yr	12.00	10.57	-0.0010	503.21	154.40	203320
LAR005200	100yr	12.25	10.60	0.0010	50.12	49.91	289
LAR005300	100yr	12.00	11.25	-0.0015	211.52	211.31	100
LAR005400	100yr	5.50	7.15	0.0002	133.09	74.44	100057
LAR005500	100yr	11.00	12.91	0.0009	177.01	133.09	38246
LAR005600	100yr	8.00	9.89	0.0005	91.27	7.19	69479
LAR005700	100yr	11.00	9.99	0.0003	263.45	52.16	208328
LAR005800	100yr	8.57	10.20	0.0003	151.77	153.07	5117
LAR005900	100yr	11.00	15.00	0.0007	464.96	151.77	105241
LAR006000	100yr	10.80	10.30	0.0003	99.25	32.78	73209
LAR006100	100yr	12.00	12.55	0.0003	77.07	68.86	45041
LAR006200	100yr	16.00	17.04	0.0004	411.95	77.07	224508
LAR006300	100yr	10.35	12.87	0.0007	42.21	42.24	200
LAR006400	100yr	10.80	15.28	0.0008	140.22	42.21	30536
LAR006500	100yr	13.00	13.92	0.0005	78.03	44.06	18949
LAR006600	100yr	10.00	9.57	-0.0046	356.06	353.92	118740
LAR006700	100yr	7.00	8.30	0.0001	389.19	328.03	221364
LAR006800	100yr	11.00	13.18	0.0003	396.62	79.87	190357
LAR006900	100yr	15.00	14.50	0.0005	259.26	256.65	50150
LAR007000	100yr	14.00	18.90	0.0026	259.14	259.26	4852
LAR007100	100yr	14.00	19.22	0.0009	669.90	199.43	117699
LAR007200	100yr	11.37	9.95	-0.0004	22.20	22.20	150
LAR007300	100yr	15.00	10.71	0.0002	28.61	28.30	7804
LAR007400	100yr	17.00	16.38	-0.0014	28.80	28.61	11224
LAR007500	100yr	17.00	17.61	-0.0018	28.87	28.80	7967
LAR007600	100yr	15.50	17.14	0.0010	252.82	208.16	49224
LAR007700	100yr	16.00	14.97	0.0002	196.54	186.21	90716
LAR007800	100yr	16.00	16.02	0.0001	114.23	44.34	124016
LAR007900	100yr	10.00	10.77	0.0001	187.26	183.31	94857
LAR008000	100yr	12.00	14.37	0.0001	288.47	185.81	148942
LAR008100	100yr	16.00	20.80	0.0004	288.48	288.47	940
LAR008200	100yr	13.00	20.80	0.0004	0.56	0.26	596
LAR008300	100yr	14.01	20.80	0.0004	0.62	0.26	190
LAR008400	100yr	10.59	10.85	0.0001	444.22	409.33	292969
LAR008500	100yr	11.00	11.38	0.0002	156.45	149.47	65273
LAR008600	100yr	13.00	12.22	0.0001	144.91	144.62	57988
LAR008700	100yr	11.00	11.14	0.0001	105.39	82.19	94691
LAR008800	100yr	13.00	11.34	0.0001	50.69	50.71	13375
LAR008900	100yr	16.00	13.22	0.0001	49.84	47.10	223873
LAR008901	100yr	18.50	13.48	0.0010	49.85	49.84	100
LAR008902	100yr	20.00	23.71	0.0005	504.03	49.85	199940

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR009000	100yr	14.00	13.05	0.0001	108.42	108.32	13371
LAR009100	100yr	14.00	14.14	0.0002	66.95	60.27	27880
LAR009200	100yr	15.00	14.46	0.0002	32.81	33.31	11917
LAR009300	100yr	14.00	14.10	0.0001	107.71	111.20	23977
LAR009400	100yr	16.00	14.12	0.0010	12.32	12.27	100
LAR009500	100yr	0.00	14.50	0.0001	4.55	12.32	0
LAR009600	100yr	0.00	14.12	0.0001	83.68	26.74	215162
LAR009700	100yr	15.00	14.77	-0.0010	40.23	40.23	434
LAR009800	100yr	15.00	15.26	0.0004	40.23	40.23	498
LAR009900	100yr	14.00	15.95	-0.0003	137.30	40.23	100050
LAR010000	100yr	15.00	15.98	0.0002	97.84	26.17	93037
LAR010100	100yr	14.50	15.13	0.0002	16.39	11.07	12016
LAR010200	100yr	14.51	15.34	0.0007	219.54	78.91	78854
LAR010300	100yr	14.00	11.60	0.0001	32.00	0.22	0
LAR010400	100yr	13.20	14.13	-0.0003	139.92	97.96	95977
LAR010500	100yr	13.70	14.47	0.0002	82.78	70.78	50556
LAR010600	100yr	13.00	14.14	-0.0003	60.64	49.04	22327
LAR010700	100yr	15.40	14.81	0.0037	51.06	146.65	38185
LAR010800	100yr	14.00	12.90	0.0002	46.78	1.31	0
LAR010900	100yr	14.50	14.04	0.0010	52.79	52.32	22628
LAR011000	100yr	13.90	14.07	0.0002	33.43	32.73	28741
LAR011100	100yr	18.00	23.94	0.0009	142.95	59.96	24194
LAR011600	100yr	9.70	10.81	0.0002	40.94	22.38	55024
LAR000000	10yr	5.00	4.52	0.0009	846.81	220.13	0
LAR000100	10yr	5.00	4.88	-0.0015	845.91	846.81	97637
LAR000200	10yr	5.10	5.68	0.0010	993.67	992.74	164750
LAR000300	10yr	9.10	5.83	0.0010	1246.62	1241.34	118011
LAR000400	10yr	10.60	5.88	0.0010	297.95	297.25	45936
LAR000500	10yr	12.00	6.63	0.0021	107.37	104.41	24765
LAR000600	10yr	5.02	6.31	0.0008	1329.56	1321.41	241142
LAR000700	10yr	9.31	7.99	0.0005	370.19	371.37	70601
LAR000800	10yr	8.02	8.53	0.0005	364.16	362.79	26605
LAR000900	10yr	9.32	9.18	0.0006	377.32	365.30	30927
LAR001000	10yr	8.37	9.29	-0.0012	197.87	192.63	12380
LAR001100	10yr	9.53	9.36	0.0030	168.29	167.13	4084
LAR001200	10yr	9.50	9.37	0.0006	154.08	155.91	12688
LAR001300	10yr	9.70	9.41	0.0006	108.46	108.37	19065
LAR001400	10yr	12.32	9.43	0.0006	67.06	66.50	33151
LAR001500	10yr	10.00	9.43	0.0006	26.06	26.88	12568
LAR001600	10yr	10.00	10.28	0.0002	150.47	26.06	156816
LAR001700	10yr	14.46	9.79	0.0005	66.67	64.87	11800
LAR001800	10yr	18.00	11.80	0.0010	33.78	33.70	4054
LAR001900	10yr	16.00	14.93	0.0003	68.01	33.78	49157
LAR002000	10yr	5.00	6.58	0.0004	803.09	800.46	220124
LAR002100	10yr	7.20	6.66	0.0004	517.27	514.53	124487
LAR002200	10yr	7.20	6.90	0.0005	332.74	331.80	52162
LAR002300	10yr	7.20	7.19	0.0005	305.67	304.89	67053

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR002400	10yr	7.50	7.20	0.0005	7.78	6.17	7548
LAR002500	10yr	10.00	7.64	0.0004	188.46	187.57	71897
LAR002600	10yr	10.00	8.00	0.0004	240.36	235.33	86893
LAR002700	10yr	11.37	8.24	0.0003	163.41	163.55	17297
LAR002800	10yr	11.37	9.38	0.0004	187.90	187.79	10339
LAR002900	10yr	8.00	9.47	0.0002	83.35	82.97	14740
LAR003000	10yr	6.16	7.49	0.0005	585.73	583.29	115995
LAR003100	10yr	6.00	8.68	0.0016	441.85	441.57	5805
LAR003200	10yr	6.00	8.71	-0.0007	442.18	441.85	11744
LAR003300	10yr	10.00	9.04	0.0005	196.92	207.03	95398
LAR003400	10yr	8.00	9.09	0.0003	139.89	121.46	122461
LAR003500	10yr	19.79	10.92	0.0033	79.16	79.18	5518
LAR003600	10yr	15.93	10.83	0.0010	66.37	66.25	5239
LAR003700	10yr	16.00	11.69	0.0013	66.51	66.37	652
LAR003800	10yr	14.00	12.59	0.0006	143.91	66.51	64059
LAR003900	10yr	13.79	14.88	0.0134	79.13	79.16	4257
LAR004000	10yr	12.91	34.30	0.0009	51.68	41.97	3051
LAR004100	10yr	12.39	15.54	-0.0170	94.87	57.80	29606
LAR004300	10yr	15.00	16.26	0.0004	212.64	91.13	175483
LAR004600	10yr	11.00	10.11	0.0003	83.16	69.50	47228
LAR004700	10yr	10.00	10.44	0.0004	118.23	57.82	61376
LAR004800	10yr	5.00	5.91	0.0006	772.60	769.37	114694
LAR004900	10yr	11.82	7.49	0.0271	113.26	107.37	300
LAR005000	10yr	11.97	7.88	0.0967	133.50	113.26	250
LAR005100	10yr	12.00	8.22	-0.0009	293.26	133.50	163709
LAR005200	10yr	12.25	8.24	0.0010	28.69	28.55	289
LAR005300	10yr	12.00	8.36	-0.0024	123.32	123.17	100
LAR005400	10yr	5.50	6.16	0.0001	32.22	28.62	100057
LAR005500	10yr	11.00	10.67	0.0007	99.00	32.22	37445
LAR005600	10yr	8.00	8.22	0.0004	53.78	5.40	69479
LAR005700	10yr	11.00	8.73	0.0002	152.83	37.11	198626
LAR005800	10yr	8.57	9.22	0.0006	105.61	105.43	4310
LAR005900	10yr	11.00	11.57	0.0006	266.71	105.61	105241
LAR006000	10yr	10.80	9.20	0.0002	74.45	17.64	68942
LAR006100	10yr	12.00	11.17	0.0002	65.02	60.58	43151
LAR006200	10yr	16.00	15.27	0.0003	236.91	65.02	215133
LAR006300	10yr	10.35	10.56	0.0006	29.35	29.35	200
LAR006400	10yr	10.80	11.73	0.0006	82.06	29.35	30536
LAR006500	10yr	13.00	11.59	0.0003	44.66	33.47	16224
LAR006600	10yr	10.00	9.34	-0.0091	202.97	192.73	103238
LAR006700	10yr	7.00	7.91	0.0002	166.99	165.51	217881
LAR006800	10yr	11.00	10.07	0.0001	153.32	53.08	184570
LAR006900	10yr	15.00	14.28	0.0002	154.44	118.01	49149
LAR007000	10yr	14.00	17.95	0.0017	139.98	154.44	4750
LAR007100	10yr	14.00	14.44	0.0006	384.62	146.03	117699
LAR007200	10yr	11.37	8.04	-0.0010	0.75	0.60	150
LAR007300	10yr	15.00	10.05	-0.0002	15.94	15.69	5993

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR007400	10yr	17.00	16.18	-0.0036	16.31	15.94	8652
LAR007500	10yr	17.00	17.40	-0.0042	16.42	16.31	7792
LAR007600	10yr	15.50	15.30	0.0009	146.99	67.68	48394
LAR007700	10yr	16.00	14.52	0.0002	112.91	102.26	91216
LAR007800	10yr	16.00	15.28	0.0001	62.67	22.25	124016
LAR007900	10yr	10.00	9.66	0.0002	127.56	126.61	89428
LAR008000	10yr	12.00	11.16	0.0002	154.19	117.57	141327
LAR008100	10yr	16.00	12.23	0.0003	154.36	154.32	941
LAR008200	10yr	13.00	12.23	0.0003	0.56	0.09	596
LAR008300	10yr	14.01	12.23	0.0002	0.34	0.05	190
LAR008400	10yr	10.59	10.64	0.0001	247.21	228.17	268146
LAR008500	10yr	11.00	11.11	0.0003	96.32	91.98	60135
LAR008600	10yr	13.00	12.14	0.0001	82.31	82.02	49766
LAR008700	10yr	11.00	10.74	0.0001	60.81	56.88	94680
LAR008800	10yr	13.00	11.21	0.0001	27.72	27.56	13230
LAR008900	10yr	16.00	12.94	0.0001	36.41	32.23	220617
LAR008901	10yr	18.50	13.06	-0.0016	36.42	36.41	100
LAR008902	10yr	20.00	20.58	0.0004	287.12	36.42	199940
LAR009000	10yr	14.00	12.83	0.0001	60.82	60.58	10937
LAR009100	10yr	14.00	13.44	0.0001	38.75	35.45	23555
LAR009200	10yr	15.00	14.25	0.0002	18.14	17.88	11642
LAR009300	10yr	14.00	13.39	0.0002	67.87	63.62	23977
LAR009400	10yr	16.00	13.51	0.0010	12.38	12.35	100
LAR009500	10yr	0.00	14.50	0.0001	0.00	12.37	0
LAR009600	10yr	0.00	13.85	0.0001	44.60	2.57	210877
LAR009700	10yr	15.00	14.17	0.0012	23.35	23.35	434
LAR009800	10yr	15.00	14.33	0.0007	23.34	23.35	496
LAR009900	10yr	14.00	14.54	0.0003	70.03	23.34	99664
LAR010000	10yr	15.00	14.85	0.0003	57.07	9.57	87815
LAR010100	10yr	14.50	14.41	0.0004	9.60	7.29	9022
LAR010200	10yr	14.51	13.37	0.0010	125.60	61.31	78854
LAR010300	10yr	14.00	11.60	0.0001	27.56	0.68	0
LAR010400	10yr	13.20	13.46	0.0003	72.12	43.50	80301
LAR010500	10yr	13.70	14.18	0.0004	45.03	40.68	35529
LAR010600	10yr	13.00	13.46	0.0003	20.47	17.85	22049
LAR010700	10yr	15.40	14.77	0.0055	25.49	56.03	36004
LAR010800	10yr	14.00	12.90	0.0002	32.35	1.35	0
LAR010900	10yr	14.50	13.13	0.0002	32.71	32.44	15207
LAR011000	10yr	13.90	13.13	0.0002	3.63	3.53	6582
LAR011100	10yr	18.00	19.95	0.0007	82.02	39.65	24194
LAR011600	10yr	9.70	10.41	0.0001	20.12	4.68	51266

Link Min/Max Conditions [LAR Prop Imp A]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR000100	100yr	1493.80	-200.86	42.27	11.67	11.67	11.67
LAR000200	100yr	638.09	-143.16	-1.88	3.11	8.00	5.35
LAR000300	100yr	438.99	-129.80	1.31	2.66	2.61	2.63
LAR000400	100yr	342.08	-24.40	0.51	2.16	5.32	3.59
LAR000500	100yr	158.52	-8.70	-0.13	2.78	4.97	3.46
LAR000600	100yr	445.55	-59.12	1.09	1.88	2.37	2.13
LAR000700	100yr	335.07	-7.44	0.12	2.57	3.05	2.80
LAR000800	100yr	648.58	-3.35	0.13	3.85	5.04	4.44
LAR000900	100yr	612.53	-2.36	-0.12	3.88	3.64	3.76
LAR001000	100yr	314.71	-1.42	-0.08	1.50	3.09	1.75
LAR001100	100yr	274.25	-43.43	3.51	3.81	3.81	3.81
LAR001200	100yr	258.12	-0.63	-40.04	1.45	0.95	1.20
LAR001300	100yr	193.77	-0.52	0.32	1.14	1.65	1.10
LAR001400	100yr	124.36	-3.40	0.45	0.96	1.58	1.07
LAR001500	100yr	41.36	-23.08	0.50	0.93	2.95	1.87
LAR001600 - Pipe	100yr	39.52	-5.73	-5.07	0.00	0.00	0.00
LAR001600 - Weir: 1	100yr	17.59	-5.22	0.30	1.63	1.63	1.63
LAR001600 - Weir: 2	100yr	21.95	-1.96	-10.13	1.47	1.47	1.47
LAR001700	100yr	85.18	0.00	0.05	2.05	3.27	2.23
LAR001800	100yr	40.55	0.00	-0.02	3.21	1.25	2.21
LAR001900 - Pipe	100yr	40.37	0.00	0.01	0.00	0.00	0.00
LAR001900 - Weir: 1	100yr	40.37	0.00	0.01	4.49	4.49	4.49
LAR002000	100yr	292.78	-37.62	0.48	1.72	1.82	1.77
LAR002100	100yr	218.96	-9.66	-0.30	1.72	-1.99	1.46
LAR002200	100yr	134.27	-5.09	0.06	2.02	-1.58	1.66
LAR002300	100yr	234.09	-2.42	-0.10	2.81	3.35	3.08
LAR002400	100yr	35.22	0.00	0.05	0.95	0.38	0.60
LAR002500	100yr	210.10	-0.81	-0.08	2.28	2.38	2.33
LAR002600	100yr	144.17	0.00	-0.07	1.82	1.67	1.74
LAR002650	100yr	196.17	0.00	-0.03	9.25	9.25	9.25
LAR002700	100yr	133.81	0.00	0.07	1.75	1.93	1.84
LAR002800	100yr	65.00	-0.44	0.03	9.20	9.20	9.20
LAR002900	100yr	77.03	0.00	0.18	1.38	4.05	2.68
LAR003000	100yr	307.10	-12.91	-0.12	2.02	3.10	2.11
LAR003100A	100yr	465.85	-4.81	-6.18	11.65	11.65	11.65
LAR003100B	100yr	346.97	0.00	0.09	3.94	3.94	3.94
LAR003200	100yr	805.56	-3.55	9.05	1.94	1.92	1.93

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR003300A	100yr	362.88	-140.98	-0.82	9.07	9.07	9.07
LAR003300B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	100yr	211.51	-81.46	-0.54	0.95	0.53	0.56
LAR003500	100yr	90.52	0.00	0.07	5.69	5.69	5.69
LAR003600	100yr	86.03	-2.87	-0.08	5.41	5.41	5.41
LAR003700	100yr	86.02	-0.31	0.77	6.85	6.85	6.85
LAR003800 - Pipe	100yr	110.26	0.00	38.04	0.00	0.00	0.00
LAR003800 - Weir: 1	100yr	68.26	0.00	6.67	3.19	3.19	3.19
LAR003800 - Weir: 2	100yr	77.97	0.00	39.28	2.11	2.11	2.11
LAR003900	100yr	90.50	0.00	-0.05	7.20	7.20	7.20
LAR004000	100yr	70.43	0.00	0.01	39.86	39.86	39.86
LAR004100	100yr	55.73	0.00	-0.33	4.44	4.44	4.44
LAR004200	100yr	20.49	-15.20	0.61	11.59	11.89	11.74
LAR004300A - Pipe	100yr	48.19	0.00	0.02	0.00	0.00	0.00
LAR004300A - Weir: 1	100yr	48.19	0.00	-0.03	2.87	2.87	2.87
LAR004300B	100yr	136.53	0.00	-0.17	1.95	5.07	3.21
LAR004500	100yr	0.00	-5.11	0.04	-1.00	-1.05	-1.03
LAR004600	100yr	129.81	-4.88	0.04	4.01	4.01	4.01
LAR004700 - Pipe	100yr	79.48	0.00	0.05	0.00	0.00	0.00
LAR004700 - Weir: 1	100yr	79.48	0.00	0.10	8.83	8.83	8.83
LAR004800	100yr	6.21	-4.83	0.05	3.04	-4.29	-2.91
LAR004900	100yr	161.17	-7.27	-0.56	8.21	8.93	8.54
LAR005000	100yr	158.39	-7.25	-1.77	8.07	8.47	8.07
LAR005100	100yr	154.40	-7.24	1.34	7.86	8.98	7.89
LAR005200	100yr	49.91	-0.02	3.86	3.97	3.97	3.97
LAR005300	100yr	211.31	-0.01	-5.20	10.76	10.76	10.76
LAR005400	100yr	74.44	0.00	-5.15	2.66	2.66	2.66
LAR005500 - Pipe	100yr	133.09	0.00	-12.75	0.00	0.00	0.00
LAR005500 - Weir: 1	100yr	33.35	0.00	-0.05	2.08	2.08	2.08
LAR005500 - Weir: 2	100yr	115.50	0.00	-25.51	1.80	1.80	1.80
LAR005600	100yr	7.19	-0.40	-0.01	9.15	9.15	9.15
LAR005700 - Pipe	100yr	52.16	0.00	-0.81	0.00	0.00	0.00
LAR005700 - Weir: 1	100yr	52.16	0.00	-1.61	3.26	3.26	3.26
LAR005800	100yr	153.07	0.00	0.23	1.51	2.64	1.78
LAR005900 -	100yr	151.77	0.00	-0.13	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Pipe							
LAR005900 - Weir: 1	100yr	151.77	0.00	-0.26	9.49	9.49	9.49
LAR006000	100yr	32.78	-29.02	0.83	3.48	3.82	3.48
LAR006100 - Pipe	100yr	68.86	0.00	-0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	100yr	68.86	0.00	-0.01	7.65	7.65	7.65
LAR006200 - Pipe	100yr	77.07	0.00	-0.02	0.00	0.00	0.00
LAR006200 - Weir: 1	100yr	77.07	0.00	-0.03	8.56	8.56	8.56
LAR006300	100yr	42.24	-0.24	0.05	8.60	8.60	8.60
LAR006400 - Pipe	100yr	42.21	0.00	-0.01	0.00	0.00	0.00
LAR006400 - Weir: 1	100yr	42.21	0.00	-0.03	4.69	4.69	4.69
LAR006500 - Pipe	100yr	44.06	0.00	-0.03	0.00	0.00	0.00
LAR006500 - Weir: 1	100yr	44.06	0.00	-0.04	4.90	4.90	4.90
LAR006600A	100yr	33.58	0.00	0.03	1.21	1.21	1.21
LAR006600B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	100yr	23.71	-67.81	3.38	0.91	0.91	0.91
LAR006700B	100yr	0.26	-65.58	3.23	-0.08	-0.08	-0.08
LAR006700C	100yr	0.81	-52.47	-39.19	-0.05	-0.05	-0.05
LAR006800 - Pipe	100yr	79.87	0.00	-0.01	0.00	0.00	0.00
LAR006800 - Weir: 1	100yr	79.87	0.00	-0.02	8.87	8.87	8.87
LAR006900 - Pipe	100yr	256.65	0.00	0.23	0.00	0.00	0.00
LAR006900 - Weir: 1	100yr	62.44	0.00	-0.13	6.94	6.94	6.94
LAR006900 - Weir: 2	100yr	243.48	0.00	0.19	2.04	2.04	2.04
LAR007000	100yr	259.26	0.00	-69.09	3.69	7.44	5.21
LAR007100 - Pipe	100yr	199.43	0.00	0.02	0.00	0.00	0.00
LAR007100 - Weir: 1	100yr	66.48	0.00	0.01	14.77	14.77	14.77
LAR007100 - Weir: 2	100yr	132.95	0.00	0.03	14.77	14.77	14.77
LAR007200	100yr	22.20	-0.04	0.03	7.07	7.07	7.07
LAR007250	100yr	22.20	-0.01	-0.11	7.07	7.07	7.07
LAR007300	100yr	28.30	0.00	0.01	2.72	2.72	2.72
LAR007400A	100yr	11.43	0.00	0.02	6.47	7.08	6.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR007400B	100yr	17.18	0.00	-0.02	3.05	0.81	1.91
LAR007500A	100yr	9.97	0.00	0.00	5.64	5.64	5.64
LAR007500B	100yr	22.28	0.00	-0.10	2.09	3.23	2.65
LAR007600A	100yr	114.86	0.00	36.95	18.28	18.62	18.42
LAR007600B	100yr	133.21	0.00	0.04	3.78	3.78	3.78
LAR007700	100yr	186.21	0.00	0.06	1.27	3.90	2.52
LAR007800	100yr	44.34	0.00	-0.03	3.98	5.03	4.51
LAR007900	100yr	2.44	-0.60	1.74	-0.04	-0.04	-0.04
LAR007900B	100yr	4.49	-1.53	-0.25	-0.09	-0.09	-0.09
LAR008000	100yr	185.81	0.00	-0.02	13.14	13.14	13.14
LAR008100	100yr	288.47	0.00	0.78	18.14	18.14	18.14
LAR008200	100yr	0.26	-0.56	-0.01	-0.04	-1.28	-0.64
LAR008300	100yr	0.26	-0.62	0.01	-0.25	-2.33	-1.28
LAR008400A	100yr	4.08	-2.54	-0.06	-0.38	-0.38	-0.38
LAR008400B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	100yr	0.08	-4.25	0.04	-1.03	-1.03	-1.03
LAR008500B	100yr	1.12	-6.28	-0.02	-0.15	-0.15	-0.15
LAR008600A	100yr	22.00	0.00	0.01	1.98	1.98	1.98
LAR008600B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	100yr	5.27	-2.29	-0.96	1.20	1.20	1.20
LAR008700B	100yr	0.00	-6.20	-0.01	-0.16	-0.16	-0.16
LAR008800	100yr	17.32	0.00	0.01	1.84	1.84	1.84
LAR008900	100yr	47.10	0.00	0.00	3.15	3.15	3.15
LAR008901	100yr	49.84	-0.10	-3.73	5.18	5.18	5.18
LAR008902 - Pipe	100yr	49.85	0.00	-0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	100yr	49.85	0.00	-0.01	12.46	12.46	12.46
LAR009000	100yr	34.64	0.00	0.01	2.67	2.67	2.67
LAR009100A	100yr	13.75	-1.47	-0.08	2.31	-2.56	2.28
LAR009100B	100yr	46.52	0.00	2.09	1.27	1.27	1.27
LAR009200	100yr	33.31	0.00	0.04	1.27	2.45	1.73
LAR009300A	100yr	4.54	-12.27	0.80	-1.74	-1.74	-1.74
LAR009300B	100yr	111.20	-3.39	12.64	2.03	2.03	2.03
LAR009400 - Pipe	100yr	4.55	-12.32	0.02	0.00	0.00	0.00
LAR009400 - Weir: 1	100yr	4.55	-12.32	0.04	-2.49	-2.49	-2.49
LAR009600	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	100yr	40.23	-2.08	-1.95	5.43	5.43	5.43
LAR009800	100yr	40.23	-2.13	-2.83	5.43	5.43	5.43
LAR009900	100yr	40.23	-1.28	0.68	5.43	5.43	5.43
LAR010000A	100yr	5.59	-5.20	0.02	1.97	-4.16	-2.99
LAR010000B	100yr	22.91	0.00	-0.06	1.61	0.84	1.23
LAR010100	100yr	11.07	0.00	0.21	4.51	4.51	4.51
LAR010200	100yr	78.91	0.00	0.02	11.16	11.50	11.33
LAR010400	100yr	32.00	-0.22	-0.01	9.05	9.30	9.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR010500	100yr	14.36	0.00	-0.08	1.48	0.45	0.96
LAR010600	100yr	23.45	-22.76	-0.80	0.75	0.66	0.70
LAR010700	100yr	15.44	-0.06	0.01	1.58	-0.85	1.04
LAR010900	100yr	46.78	-1.31	0.03	6.62	7.36	6.98
LAR011000	100yr	32.45	-0.81	-0.19	0.56	-1.74	-0.89
LAR011100	100yr	59.96	0.00	0.11	8.48	9.54	9.00
LAR011300	100yr	28.72	-12.56	0.30	9.14	9.14	9.14
LAR011500	100yr	12.66	-0.46	-0.42	0.60	0.60	0.60
LAR011600	100yr	0.00	-16.22	-3.77	-0.99	-0.99	-0.99
LAR011800	100yr	2.49	-12.48	0.03	-4.04	-4.25	-4.14
LAR000100	10yr	846.81	-220.13	42.27	6.62	7.60	6.77
LAR000200	10yr	558.21	-150.65	1.08	2.98	8.22	5.54
LAR000300	10yr	328.92	-135.45	1.06	2.72	2.69	2.70
LAR000400	10yr	207.20	-24.97	0.86	1.87	5.32	3.59
LAR000500	10yr	104.41	-7.92	-0.10	2.48	4.97	3.46
LAR000600	10yr	286.10	-71.09	0.72	1.53	1.92	1.72
LAR000700	10yr	300.60	-9.09	-0.10	2.45	3.23	2.82
LAR000800	10yr	362.79	-4.17	-0.08	2.70	2.95	2.82
LAR000900	10yr	344.95	-3.08	-0.07	2.92	2.61	2.76
LAR001000	10yr	192.63	-1.94	-0.13	1.21	3.09	1.66
LAR001100	10yr	167.13	-43.42	8.80	-2.94	2.32	-2.41
LAR001200	10yr	155.91	-0.54	-2.26	1.40	0.76	1.07
LAR001300	10yr	108.37	-0.43	-0.19	0.89	1.65	0.95
LAR001400	10yr	64.85	-8.26	0.20	1.10	1.58	1.07
LAR001500	10yr	26.88	-16.98	0.57	0.91	2.95	1.87
LAR001600 - Pipe	10yr	26.06	-8.16	0.02	0.00	0.00	0.00
LAR001600 - Weir: 1	10yr	17.36	-8.16	0.03	1.63	1.63	1.63
LAR001600 - Weir: 2	10yr	12.09	0.00	-0.01	1.44	1.44	1.44
LAR001700	10yr	64.87	0.00	0.03	2.40	3.42	2.35
LAR001800	10yr	33.70	0.00	0.02	3.25	1.35	2.28
LAR001900 - Pipe	10yr	33.78	0.00	0.02	0.00	0.00	0.00
LAR001900 - Weir: 1	10yr	33.78	0.00	0.01	3.75	3.75	3.75
LAR002000	10yr	209.85	-40.60	0.22	1.52	1.65	1.59
LAR002100	10yr	143.54	-8.40	0.20	1.55	-1.74	1.31
LAR002200	10yr	113.01	-4.38	0.13	2.00	-2.08	1.69
LAR002300	10yr	195.47	-2.51	-0.07	2.64	3.14	2.89
LAR002400	10yr	6.17	0.00	0.07	1.06	0.11	0.56
LAR002500	10yr	156.12	0.00	-0.03	2.11	2.27	2.19
LAR002600	10yr	118.20	0.00	-0.04	1.77	1.74	1.75
LAR002650	10yr	155.09	0.00	0.02	7.31	7.31	7.31
LAR002700	10yr	109.26	0.00	0.08	1.56	1.69	1.63
LAR002800	10yr	32.70	-0.22	-0.02	4.63	4.63	4.63

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR002900	10yr	52.12	0.00	-0.03	1.37	4.04	2.67
LAR003000	10yr	249.17	-19.97	0.17	1.89	3.10	2.13
LAR003100A	10yr	402.39	-11.79	7.78	10.06	10.06	10.06
LAR003100B	10yr	42.32	0.00	0.01	1.68	1.68	1.68
LAR003200	10yr	441.85	-13.73	-11.20	1.25	1.23	1.24
LAR003300A	10yr	207.03	-106.08	1.51	5.18	5.18	5.18
LAR003300B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	10yr	121.46	-53.34	-0.35	1.02	-0.71	0.61
LAR003500	10yr	79.18	-0.19	0.14	4.98	4.98	4.98
LAR003600	10yr	66.25	-5.88	0.07	4.17	4.17	4.17
LAR003700	10yr	66.37	-0.81	0.29	5.28	5.28	5.28
LAR003800 - Pipe	10yr	66.51	0.00	0.04	0.00	0.00	0.00
LAR003800 - Weir: 1	10yr	66.51	0.00	0.03	3.18	3.18	3.18
LAR003800 - Weir: 2	10yr	2.27	0.00	-0.01	0.96	0.96	0.96
LAR003900	10yr	79.16	0.00	0.17	6.30	6.30	6.30
LAR004000	10yr	41.97	0.00	-0.02	23.75	23.75	23.75
LAR004100	10yr	57.80	0.00	-0.50	4.60	4.60	4.60
LAR004200	10yr	20.48	-3.10	1.06	11.59	11.88	11.73
LAR004300A - Pipe	10yr	48.32	0.00	0.02	0.00	0.00	0.00
LAR004300A - Weir: 1	10yr	48.32	0.00	-0.02	2.89	2.89	2.89
LAR004300B	10yr	47.61	0.00	-0.01	1.46	4.98	3.16
LAR004500	10yr	0.00	-2.93	0.04	-0.68	-0.70	-0.69
LAR004600	10yr	69.50	-4.86	0.08	3.52	3.52	3.52
LAR004700 - Pipe	10yr	57.82	0.00	0.05	0.00	0.00	0.00
LAR004700 - Weir: 1	10yr	57.82	0.00	-0.10	6.42	6.42	6.42
LAR004800	10yr	5.31	-4.58	-0.05	2.90	-4.24	-2.85
LAR004900	10yr	107.37	-6.76	1.01	5.79	8.12	6.85
LAR005000	10yr	113.26	-6.76	-1.77	5.96	8.47	7.21
LAR005100	10yr	133.50	-6.76	-1.68	6.80	8.98	7.89
LAR005200	10yr	28.55	-0.02	-3.77	2.27	2.27	2.27
LAR005300	10yr	123.17	-0.25	-3.97	6.27	6.27	6.27
LAR005400	10yr	28.62	0.00	-1.41	2.08	2.08	2.08
LAR005500 - Pipe	10yr	32.22	0.00	0.02	0.00	0.00	0.00
LAR005500 - Weir: 1	10yr	32.22	0.00	0.01	2.01	2.01	2.01
LAR005500 - Weir: 2	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR005600	10yr	5.40	-2.24	-0.02	6.87	6.87	6.87
LAR005700 -	10yr	37.11	0.00	0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Pipe							
LAR005700 - Weir: 1	10yr	37.11	0.00	0.03	2.54	2.54	2.54
LAR005800	10yr	105.43	0.00	-0.04	1.55	2.29	1.54
LAR005900 - Pipe	10yr	105.61	0.00	0.03	0.00	0.00	0.00
LAR005900 - Weir: 1	10yr	105.61	0.00	0.05	6.60	6.60	6.60
LAR006000	10yr	17.64	-31.44	0.84	3.75	-4.33	-3.67
LAR006100 - Pipe	10yr	60.58	0.00	0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	10yr	60.58	0.00	0.01	6.73	6.73	6.73
LAR006200 - Pipe	10yr	65.02	0.00	0.02	0.00	0.00	0.00
LAR006200 - Weir: 1	10yr	65.02	0.00	0.02	7.22	7.22	7.22
LAR006300	10yr	29.35	-0.24	0.15	5.98	5.98	5.98
LAR006400 - Pipe	10yr	29.35	0.00	0.01	0.00	0.00	0.00
LAR006400 - Weir: 1	10yr	29.35	0.00	-0.01	3.26	3.26	3.26
LAR006500 - Pipe	10yr	33.47	0.00	0.02	0.00	0.00	0.00
LAR006500 - Weir: 1	10yr	33.47	0.00	0.01	3.72	3.72	3.72
LAR006600A	10yr	32.50	0.00	-0.07	1.20	1.20	1.20
LAR006600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	10yr	17.29	-66.01	6.68	0.67	0.67	0.67
LAR006700B	10yr	0.37	-63.86	6.39	-0.05	-0.05	-0.05
LAR006700C	10yr	1.65	-11.47	0.02	-0.01	-0.01	-0.01
LAR006800 - Pipe	10yr	53.08	0.00	0.01	0.00	0.00	0.00
LAR006800 - Weir: 1	10yr	53.08	0.00	-0.01	5.90	5.90	5.90
LAR006900 - Pipe	10yr	118.01	0.00	0.11	0.00	0.00	0.00
LAR006900 - Weir: 1	10yr	66.52	0.00	-0.16	7.39	7.39	7.39
LAR006900 - Weir: 2	10yr	96.76	0.00	0.18	1.62	1.62	1.62
LAR007000	10yr	154.44	0.00	-59.47	3.46	6.48	4.97
LAR007100 - Pipe	10yr	146.03	0.00	0.04	0.00	0.00	0.00
LAR007100 - Weir: 1	10yr	49.76	0.00	0.01	11.06	11.06	11.06
LAR007100 -	10yr	96.27	0.00	0.03	10.70	10.70	10.70

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Weir: 2							
LAR007200	10yr	0.60	-0.04	-0.30	0.19	0.19	0.19
LAR007250	10yr	0.75	-0.01	-0.65	0.24	0.24	0.24
LAR007300	10yr	15.69	0.00	-0.01	2.24	2.24	2.24
LAR007400A	10yr	11.19	0.00	-0.02	6.33	6.98	6.66
LAR007400B	10yr	4.74	0.00	-0.01	2.20	0.39	1.29
LAR007500A	10yr	9.65	0.00	-0.01	5.46	5.46	5.46
LAR007500B	10yr	9.77	0.00	0.03	1.61	2.69	2.15
LAR007600A	10yr	62.71	0.00	0.26	9.98	16.96	13.47
LAR007600B	10yr	4.97	0.00	0.00	1.51	1.51	1.51
LAR007700	10yr	102.26	0.00	0.03	1.01	3.90	2.40
LAR007800	10yr	22.25	0.00	-0.03	3.24	4.54	3.60
LAR007900	10yr	0.45	-0.52	0.03	-0.04	-0.04	-0.04
LAR007900B	10yr	6.03	-1.27	-1.46	-0.08	-0.08	-0.08
LAR008000	10yr	117.57	0.00	-0.03	8.32	8.32	8.32
LAR008100	10yr	154.19	0.00	1.56	9.70	9.70	9.70
LAR008200	10yr	0.09	-0.56	-0.02	-0.04	-1.29	-0.65
LAR008300	10yr	0.05	-0.34	0.01	0.33	-2.04	-1.09
LAR008400A	10yr	3.64	-0.45	-0.08	0.33	0.33	0.33
LAR008400B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	10yr	0.00	-2.39	0.08	-0.89	-0.89	-0.89
LAR008500B	10yr	0.00	-4.67	-0.02	-0.13	-0.13	-0.13
LAR008600A	10yr	16.93	0.00	0.01	1.82	1.82	1.82
LAR008600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	10yr	5.98	-0.51	0.00	1.46	1.46	1.46
LAR008700B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008800	10yr	9.80	0.00	0.00	1.53	1.53	1.53
LAR008900	10yr	32.23	0.00	0.00	2.88	2.88	2.88
LAR008901	10yr	36.41	-0.20	-4.30	3.78	3.78	3.78
LAR008902 - Pipe	10yr	36.42	0.00	0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	10yr	36.42	0.00	0.01	9.10	9.10	9.10
LAR009000	10yr	22.74	0.00	0.01	2.37	2.37	2.37
LAR009100A	10yr	8.85	-1.47	-0.19	2.36	-2.56	2.33
LAR009100B	10yr	27.91	0.00	-5.67	0.91	0.91	0.91
LAR009200	10yr	17.88	0.00	0.01	0.93	2.42	1.68
LAR009300A	10yr	0.00	-12.35	1.15	-1.75	-1.75	-1.75
LAR009300B	10yr	63.62	-0.91	0.05	1.80	1.80	1.80
LAR009400 - Pipe	10yr	0.00	-12.37	0.00	0.00	0.00	0.00
LAR009400 - Weir: 1	10yr	0.00	-12.38	0.00	0.00	0.00	0.00
LAR009600	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	10yr	23.35	-3.60	-2.02	3.15	3.15	3.15
LAR009800	10yr	23.35	-3.62	-2.90	3.15	3.15	3.15
LAR009900	10yr	23.34	-3.32	-0.76	3.24	3.15	3.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR010000A	10yr	6.62	-5.20	0.02	2.33	-4.16	-2.99
LAR010000B	10yr	4.00	0.00	0.00	1.09	0.48	0.78
LAR010100	10yr	7.29	0.00	0.14	2.97	2.97	2.97
LAR010200	10yr	61.31	0.00	0.02	8.67	9.30	8.98
LAR010400	10yr	27.56	-0.68	0.01	7.80	8.05	7.92
LAR010500	10yr	13.64	0.00	0.01	1.61	0.60	1.10
LAR010600	10yr	14.98	-11.94	0.63	0.74	0.64	0.69
LAR010700	10yr	13.50	0.00	0.01	1.53	0.53	1.02
LAR010900	10yr	32.35	-1.35	0.12	4.68	6.81	5.39
LAR011000	10yr	3.53	-0.85	-0.24	0.12	-1.76	-0.90
LAR011100	10yr	39.65	0.00	0.10	5.61	7.72	6.66
LAR011300	10yr	16.70	-12.48	0.74	5.32	5.32	5.32
LAR011500	10yr	0.44	-1.23	0.74	-0.06	-0.06	-0.06
LAR011600	10yr	0.05	-15.96	-5.56	-1.06	-1.06	-1.06
LAR011800	10yr	3.10	-7.70	-0.05	-3.65	-4.29	-3.96

Node Max Conditions [LAR Prop Imp B]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR000000	100yr	5.00	4.52	-0.0012	1534.24	200.88	0
LAR000100	100yr	5.00	6.39	-0.0010	1914.36	2098.69	127733
LAR000200	100yr	5.10	6.74	0.0010	1481.67	1586.29	156858
LAR000300	100yr	9.10	6.86	0.0010	2412.47	2407.39	115060
LAR000400	100yr	10.60	6.92	0.0010	657.10	654.54	46542
LAR000500	100yr	12.00	7.46	0.0011	161.26	158.81	26201
LAR000600	100yr	5.02	7.37	0.0009	2523.63	2512.41	259891
LAR000700	100yr	9.31	8.20	0.0007	670.36	689.73	97414
LAR000800	100yr	8.02	9.29	0.0006	650.06	649.73	26739
LAR000900	100yr	9.32	10.18	0.0005	618.83	613.01	32104
LAR001000	100yr	8.37	10.34	-0.0006	318.48	314.93	13259
LAR001100	100yr	9.53	10.52	0.0015	282.39	274.62	4500
LAR001200	100yr	9.50	10.52	0.0005	248.85	259.04	13658
LAR001300	100yr	9.70	10.56	0.0006	188.12	194.04	22539
LAR001400	100yr	12.32	10.57	0.0004	114.09	124.57	37211
LAR001500	100yr	10.00	10.57	0.0004	39.50	41.34	15363
LAR001600	100yr	10.00	13.12	0.0003	256.63	39.50	156816
LAR001700	100yr	14.46	10.72	0.0003	83.70	85.21	13571
LAR001800	100yr	18.00	12.10	0.0010	40.37	40.55	4504
LAR001900	100yr	16.00	16.55	0.0004	118.91	40.37	55713
LAR002000	100yr	5.00	7.55	0.0003	1485.27	1447.81	250603
LAR002100	100yr	7.20	7.61	0.0003	806.85	793.61	132095
LAR002200	100yr	7.20	7.80	0.0002	449.74	441.40	51917
LAR002300	100yr	7.20	7.88	0.0003	603.35	597.39	80307
LAR002400	100yr	7.50	7.96	0.0002	100.02	99.93	29516
LAR002500	100yr	10.00	8.27	0.0002	363.89	361.87	78944
LAR002600	100yr	10.00	8.60	0.0003	516.10	515.59	91504
LAR002700	100yr	11.37	9.01	0.0003	459.71	459.93	18010
LAR002800	100yr	11.37	9.63	-0.0004	499.54	499.49	11052
LAR002900	100yr	8.00	9.96	0.0002	235.67	235.45	14736
LAR003000	100yr	6.16	7.87	0.0003	985.30	977.70	122893
LAR003100	100yr	6.00	9.51	-0.0010	807.65	807.32	6231
LAR003200	100yr	6.00	9.58	0.0006	808.08	807.65	11791
LAR003300	100yr	10.00	10.61	0.0004	366.24	362.80	104955
LAR003400	100yr	8.00	10.66	0.0003	240.26	211.46	141204
LAR003500	100yr	19.79	12.39	-0.0010	90.41	90.43	5517
LAR003600	100yr	15.93	13.81	0.0037	86.13	86.14	5239
LAR003700	100yr	16.00	15.43	0.0188	110.40	86.13	652
LAR003800	100yr	14.00	16.17	0.0006	249.57	110.60	68346
LAR003900	100yr	13.79	17.69	-0.0031	90.40	90.41	4247
LAR004000	100yr	12.91	72.58	0.0010	97.48	70.43	3051
LAR004100	100yr	12.39	17.88	-0.0113	171.21	66.02	46375

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR004300	100yr	15.00	17.92	0.0004	365.79	171.20	183261
LAR004600	100yr	11.00	10.82	0.0004	143.46	129.95	49526
LAR004700	100yr	10.00	12.73	0.0006	206.12	79.48	61376
LAR004800	100yr	5.00	6.95	0.0010	1677.56	2042.06	114694
LAR004900	100yr	11.82	9.04	0.0135	161.27	161.26	300
LAR005000	100yr	11.97	9.80	0.0528	158.48	158.48	250
LAR005100	100yr	12.00	10.58	-0.0010	503.21	154.49	203401
LAR005200	100yr	12.25	10.61	0.0010	50.12	49.91	289
LAR005300	100yr	12.00	11.26	-0.0011	211.52	211.31	100
LAR005400	100yr	5.50	7.30	0.0002	133.08	71.95	100057
LAR005500	100yr	11.00	12.91	0.0010	177.01	133.09	38246
LAR005600	100yr	8.00	9.89	0.0007	91.27	7.19	69479
LAR005700	100yr	11.00	9.99	0.0003	263.45	52.75	208382
LAR005800	100yr	8.57	10.21	0.0004	151.78	153.10	5120
LAR005900	100yr	11.00	15.01	0.0009	464.96	151.78	105241
LAR006000	100yr	10.80	10.30	0.0004	99.36	33.01	73226
LAR006100	100yr	12.00	12.55	0.0003	77.05	68.83	45041
LAR006200	100yr	16.00	17.04	0.0004	411.95	77.05	224508
LAR006300	100yr	10.35	12.87	0.0007	42.21	42.24	200
LAR006400	100yr	10.80	15.28	0.0009	140.22	42.21	30536
LAR006500	100yr	13.00	13.92	0.0006	78.03	44.04	18949
LAR006600	100yr	10.00	9.57	-0.0046	356.16	354.15	118735
LAR006700	100yr	7.00	8.50	0.0001	430.62	428.38	221364
LAR006800	100yr	11.00	13.21	0.0003	396.63	78.37	190357
LAR006900	100yr	15.00	14.50	0.0005	259.26	256.65	50150
LAR007000	100yr	14.00	18.90	0.0026	259.14	259.26	4854
LAR007100	100yr	14.00	19.22	0.0010	669.90	198.94	117699
LAR007200	100yr	11.37	9.54	0.0003	15.43	15.43	150
LAR007300	100yr	15.00	10.36	0.0002	28.61	28.30	7804
LAR007400	100yr	17.00	16.38	-0.0014	28.80	28.61	11225
LAR007500	100yr	17.00	17.61	-0.0018	28.87	28.80	7967
LAR007600	100yr	15.50	17.15	0.0010	252.82	208.17	49224
LAR007700	100yr	16.00	14.94	0.0002	189.77	179.24	87200
LAR007800	100yr	16.00	16.02	0.0002	114.23	44.33	124016
LAR007900	100yr	10.00	10.19	0.0001	195.58	196.45	98272
LAR008000	100yr	12.00	14.20	0.0001	288.47	191.95	148942
LAR008100	100yr	16.00	20.80	0.0004	288.48	288.47	940
LAR008200	100yr	13.00	20.80	0.0004	0.55	0.26	596
LAR008300	100yr	14.01	20.80	0.0005	0.60	0.26	190
LAR008400	100yr	10.59	10.86	0.0001	399.46	373.25	289830
LAR008500	100yr	11.00	11.34	0.0001	157.88	150.98	64814
LAR008600	100yr	13.00	12.25	0.0001	144.64	144.22	58181
LAR008700	100yr	11.00	11.11	0.0001	104.66	82.52	97979
LAR008800	100yr	13.00	11.35	0.0001	50.97	51.03	13379
LAR008900	100yr	16.00	13.22	0.0001	49.84	47.10	223873
LAR008901	100yr	18.50	13.48	-0.0010	49.85	49.84	100
LAR008902	100yr	20.00	23.71	0.0006	504.03	49.85	199940

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR009000	100yr	14.00	13.10	0.0002	108.15	108.10	12674
LAR009100	100yr	14.00	14.14	0.0002	66.95	61.80	27880
LAR009200	100yr	15.00	14.45	0.0002	32.81	33.40	11927
LAR009300	100yr	14.00	14.10	0.0001	107.87	101.26	23977
LAR009400	100yr	16.00	14.11	0.0010	12.31	12.27	100
LAR009500	100yr	0.00	14.50	0.0001	4.60	12.31	0
LAR009600	100yr	0.00	14.11	0.0001	75.64	16.18	215044
LAR009700	100yr	15.00	14.73	-0.0010	40.55	40.55	434
LAR009800	100yr	15.00	15.23	0.0007	40.55	40.55	500
LAR009900	100yr	14.00	15.93	-0.0003	137.97	40.55	100041
LAR010000	100yr	15.00	15.96	0.0002	97.84	27.06	93028
LAR010100	100yr	14.50	15.09	0.0002	16.39	11.14	11872
LAR010200	100yr	14.51	15.34	0.0007	219.54	78.91	78854
LAR010300	100yr	14.00	11.60	0.0001	32.14	0.22	0
LAR010400	100yr	13.20	14.15	0.0003	334.52	293.55	89502
LAR010500	100yr	13.70	14.49	0.0001	80.61	70.33	50574
LAR010600	100yr	13.00	14.16	0.0003	112.02	101.34	22131
LAR010700	100yr	15.40	14.81	0.0016	98.95	155.09	33984
LAR010800	100yr	14.00	12.90	0.0002	46.76	1.32	0
LAR010900	100yr	14.50	14.04	0.0010	50.27	49.63	19057
LAR011000	100yr	13.90	14.06	-0.0003	34.69	34.38	31460
LAR011100	100yr	18.00	23.44	0.0009	133.42	57.70	24194
LAR011600	100yr	9.70	10.71	0.0002	40.44	21.85	53734
LAR000000	10yr	5.00	4.52	0.0009	873.74	219.94	0
LAR000100	10yr	5.00	4.90	-0.0015	871.22	873.75	93778
LAR000200	10yr	5.10	5.64	0.0010	955.84	954.69	152570
LAR000300	10yr	9.10	5.83	0.0010	1230.27	1228.27	115060
LAR000400	10yr	10.60	5.88	0.0010	309.44	308.91	45943
LAR000500	10yr	12.00	6.63	0.0021	107.37	104.67	24775
LAR000600	10yr	5.02	6.35	0.0008	1361.05	1354.92	239297
LAR000700	10yr	9.31	8.06	0.0004	366.20	367.64	75880
LAR000800	10yr	8.02	8.56	0.0005	360.27	358.49	26608
LAR000900	10yr	9.32	9.19	0.0005	376.68	364.29	30936
LAR001000	10yr	8.37	9.30	-0.0012	197.43	192.06	12391
LAR001100	10yr	9.53	9.37	0.0030	167.88	166.48	4087
LAR001200	10yr	9.50	9.37	0.0005	153.38	155.16	12693
LAR001300	10yr	9.70	9.41	0.0005	108.07	107.97	19075
LAR001400	10yr	12.32	9.44	0.0005	67.02	66.27	33166
LAR001500	10yr	10.00	9.43	0.0005	25.97	26.77	12580
LAR001600	10yr	10.00	10.28	0.0003	150.49	25.97	156816
LAR001700	10yr	14.46	9.79	0.0004	66.66	64.82	11804
LAR001800	10yr	18.00	11.80	0.0010	33.78	33.70	4054
LAR001900	10yr	16.00	14.93	0.0002	68.01	33.78	49157
LAR002000	10yr	5.00	6.62	0.0003	797.96	788.07	224515
LAR002100	10yr	7.20	6.70	0.0002	568.10	566.80	128703
LAR002200	10yr	7.20	7.02	0.0003	344.98	344.57	51917
LAR002300	10yr	7.20	7.27	0.0003	343.07	342.33	71594

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR002400	10yr	7.50	7.30	0.0003	9.34	9.28	10239
LAR002500	10yr	10.00	7.72	0.0003	212.39	211.51	73439
LAR002600	10yr	10.00	8.10	0.0003	265.12	265.11	90419
LAR002700	10yr	11.37	8.45	0.0003	261.16	261.41	18010
LAR002800	10yr	11.37	8.61	0.0003	260.94	261.03	10780
LAR002900	10yr	8.00	9.12	0.0001	135.56	135.44	14729
LAR003000	10yr	6.16	7.41	0.0003	547.82	544.06	108032
LAR003100	10yr	6.00	8.65	0.0016	442.80	442.53	5790
LAR003200	10yr	6.00	8.68	-0.0007	443.13	442.80	11745
LAR003300	10yr	10.00	9.01	0.0003	197.22	208.96	95166
LAR003400	10yr	8.00	9.07	0.0004	137.91	122.42	122221
LAR003500	10yr	19.79	10.89	0.0034	79.47	79.50	5518
LAR003600	10yr	15.93	10.82	0.0010	66.42	66.30	5239
LAR003700	10yr	16.00	11.69	0.0013	66.56	66.42	652
LAR003800	10yr	14.00	12.59	0.0005	143.91	66.56	64057
LAR003900	10yr	13.79	14.86	0.0135	79.45	79.47	4257
LAR004000	10yr	12.91	34.29	0.0010	51.68	41.98	3051
LAR004100	10yr	12.39	15.53	-0.0170	94.86	57.73	29584
LAR004300	10yr	15.00	16.26	0.0003	212.64	91.12	175482
LAR004600	10yr	11.00	10.12	0.0003	83.16	69.99	47250
LAR004700	10yr	10.00	10.44	0.0003	118.23	57.82	61376
LAR004800	10yr	5.00	5.92	0.0006	809.82	806.37	114694
LAR004900	10yr	11.82	7.49	0.0271	113.26	107.37	300
LAR005000	10yr	11.97	7.88	0.0967	133.50	113.26	250
LAR005100	10yr	12.00	8.22	-0.0009	293.26	133.50	163709
LAR005200	10yr	12.25	8.24	-0.0009	28.69	28.55	289
LAR005300	10yr	12.00	8.36	0.0014	123.32	123.17	100
LAR005400	10yr	5.50	6.23	0.0001	32.22	28.62	100057
LAR005500	10yr	11.00	10.67	0.0006	99.00	32.22	37445
LAR005600	10yr	8.00	8.25	0.0004	53.90	5.41	69479
LAR005700	10yr	11.00	8.74	0.0002	152.83	37.13	198738
LAR005800	10yr	8.57	9.23	0.0005	105.43	105.23	4316
LAR005900	10yr	11.00	11.57	0.0005	266.71	105.43	105241
LAR006000	10yr	10.80	9.21	0.0002	74.52	17.49	68972
LAR006100	10yr	12.00	11.17	0.0002	65.02	60.56	43171
LAR006200	10yr	16.00	15.27	0.0002	236.91	65.02	215133
LAR006300	10yr	10.35	10.56	0.0006	29.32	29.33	200
LAR006400	10yr	10.80	11.74	0.0005	82.06	29.32	30536
LAR006500	10yr	13.00	11.59	-0.0002	44.66	33.46	16224
LAR006600	10yr	10.00	9.34	-0.0091	203.02	192.78	103241
LAR006700	10yr	7.00	8.00	0.0001	205.07	204.15	218688
LAR006800	10yr	11.00	10.08	0.0002	153.32	52.20	184673
LAR006900	10yr	15.00	14.28	0.0004	154.45	118.02	49149
LAR007000	10yr	14.00	17.95	0.0017	139.98	154.45	4750
LAR007100	10yr	14.00	14.44	0.0006	384.62	146.02	117699
LAR007200	10yr	11.37	8.18	0.0003	0.67	0.57	150
LAR007300	10yr	15.00	10.05	-0.0002	15.94	15.69	5993

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR007400	10yr	17.00	16.18	-0.0036	16.31	15.94	8652
LAR007500	10yr	17.00	17.40	-0.0042	16.42	16.31	7790
LAR007600	10yr	15.50	15.30	0.0007	146.99	67.68	48394
LAR007700	10yr	16.00	14.49	0.0001	108.64	98.68	87789
LAR007800	10yr	16.00	15.28	0.0001	62.67	22.25	124016
LAR007900	10yr	10.00	9.66	0.0001	122.25	122.38	92858
LAR008000	10yr	12.00	11.18	0.0001	154.20	117.95	141484
LAR008100	10yr	16.00	12.25	0.0004	154.36	154.32	941
LAR008200	10yr	13.00	12.25	0.0002	0.55	0.11	596
LAR008300	10yr	14.01	12.25	0.0003	0.35	0.05	190
LAR008400	10yr	10.59	10.66	0.0001	234.49	211.87	261470
LAR008500	10yr	11.00	11.08	0.0001	89.01	84.50	60135
LAR008600	10yr	13.00	12.17	0.0001	82.11	81.70	53272
LAR008700	10yr	11.00	10.73	0.0001	60.83	56.69	97967
LAR008800	10yr	13.00	11.21	-0.0001	27.73	27.57	13231
LAR008900	10yr	16.00	12.94	0.0000	36.41	32.23	220617
LAR008901	10yr	18.50	13.06	-0.0024	36.42	36.41	100
LAR008902	10yr	20.00	20.58	0.0004	287.12	36.42	199940
LAR009000	10yr	14.00	12.88	0.0001	60.62	60.38	11349
LAR009100	10yr	14.00	13.56	0.0001	38.75	36.96	24487
LAR009200	10yr	15.00	14.25	0.0001	18.14	17.95	11642
LAR009300	10yr	14.00	13.36	0.0002	67.88	65.86	23977
LAR009400	10yr	16.00	13.46	0.0010	12.38	12.35	100
LAR009500	10yr	0.00	14.50	0.0001	0.00	12.37	0
LAR009600	10yr	0.00	13.78	0.0001	38.72	0.00	201333
LAR009700	10yr	15.00	14.13	-0.0014	23.96	23.96	434
LAR009800	10yr	15.00	14.31	0.0005	23.95	23.96	499
LAR009900	10yr	14.00	14.53	-0.0003	70.14	23.95	99611
LAR010000	10yr	15.00	14.85	0.0003	57.07	9.75	87784
LAR010100	10yr	14.50	14.38	0.0002	9.60	7.48	8903
LAR010200	10yr	14.51	13.37	0.0007	125.60	61.31	78854
LAR010300	10yr	14.00	11.60	0.0001	28.78	0.68	0
LAR010400	10yr	13.20	13.63	0.0002	94.95	84.62	83417
LAR010500	10yr	13.70	14.16	0.0002	43.72	40.21	35492
LAR010600	10yr	13.00	13.64	0.0002	31.03	30.09	21889
LAR010700	10yr	15.40	14.78	0.0127	60.36	86.35	32430
LAR010800	10yr	14.00	12.90	0.0002	34.86	1.63	0
LAR010900	10yr	14.50	13.28	0.0002	35.94	35.06	15512
LAR011000	10yr	13.90	13.30	0.0002	20.56	19.91	10804
LAR011100	10yr	18.00	19.62	0.0005	76.44	37.84	24194
LAR011600	10yr	9.70	10.41	0.0001	20.44	4.71	51266

Link Min/Max Conditions [LAR Prop Imp B]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR000100	100yr	1534.24	-200.88	42.27	11.99	11.99	11.99
LAR000200	100yr	618.72	-142.55	1.58	3.06	7.99	5.33
LAR000300	100yr	475.13	-129.70	1.08	2.72	2.62	2.65
LAR000400	100yr	365.79	-26.78	0.60	2.28	5.32	3.59
LAR000500	100yr	158.81	-9.44	-0.18	2.78	4.97	3.46
LAR000600	100yr	485.56	-59.52	0.60	1.99	2.56	2.28
LAR000700	100yr	341.16	-9.32	0.16	2.58	3.10	2.83
LAR000800	100yr	649.73	-4.03	0.11	3.85	5.04	4.44
LAR000900	100yr	613.01	-2.87	-0.20	3.88	3.64	3.76
LAR001000	100yr	314.93	-1.71	-0.13	1.50	3.09	1.75
LAR001100	100yr	274.62	-43.43	3.51	3.81	3.81	3.81
LAR001200	100yr	259.04	-0.70	21.53	1.46	0.95	1.20
LAR001300	100yr	194.04	-0.59	0.59	1.14	1.65	1.10
LAR001400	100yr	124.57	-3.60	0.49	1.01	1.58	1.07
LAR001500	100yr	41.34	-23.22	0.47	0.95	2.95	1.87
LAR001600 - Pipe	100yr	39.50	-5.77	-5.07	0.00	0.00	0.00
LAR001600 - Weir: 1	100yr	17.56	-5.25	0.30	1.63	1.63	1.63
LAR001600 - Weir: 2	100yr	21.95	-1.98	-10.13	1.46	1.46	1.46
LAR001700	100yr	85.21	0.00	-0.16	2.05	3.27	2.23
LAR001800	100yr	40.55	0.00	-0.14	3.22	1.25	2.21
LAR001900 - Pipe	100yr	40.37	0.00	0.02	0.00	0.00	0.00
LAR001900 - Weir: 1	100yr	40.37	0.00	0.01	4.49	4.49	4.49
LAR002000	100yr	291.80	-37.61	0.36	1.70	1.80	1.75
LAR002100	100yr	210.73	-9.63	0.62	1.54	-1.98	1.33
LAR002200	100yr	160.63	-5.04	0.05	2.18	-1.53	1.80
LAR002300	100yr	221.12	-2.38	-0.13	2.65	3.06	2.86
LAR002400	100yr	55.28	0.00	-0.04	1.22	0.60	0.91
LAR002500	100yr	222.58	-0.95	-0.10	2.34	2.46	2.40
LAR002600	100yr	156.41	0.00	-0.06	1.91	1.79	1.85
LAR002650	100yr	458.95	0.00	32.91	5.74	5.87	5.74
LAR002700	100yr	211.10	0.00	-0.08	2.17	2.44	2.30
LAR002800	100yr	40.54	-0.44	-0.02	5.74	5.74	5.74
LAR002900	100yr	131.10	0.00	0.05	2.61	4.19	2.96
LAR003000	100yr	287.62	-12.95	-0.09	1.96	3.10	2.01
LAR003100A	100yr	475.09	-5.02	-6.16	11.88	11.88	11.88
LAR003100B	100yr	336.99	0.00	0.08	3.83	3.83	3.83
LAR003200	100yr	807.65	-4.60	-10.36	1.95	1.93	1.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR003300A	100yr	362.80	-138.63	2.13	9.07	9.07	9.07
LAR003300B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	100yr	211.46	-80.08	0.19	0.95	0.54	0.56
LAR003500	100yr	90.43	0.00	0.07	5.69	5.69	5.69
LAR003600	100yr	86.14	-2.87	0.33	5.42	5.42	5.42
LAR003700	100yr	86.13	-0.31	0.77	6.85	6.85	6.85
LAR003800 - Pipe	100yr	110.40	0.00	38.04	0.00	0.00	0.00
LAR003800 - Weir: 1	100yr	68.40	0.00	-6.71	3.19	3.19	3.19
LAR003800 - Weir: 2	100yr	78.07	0.00	39.28	2.11	2.11	2.11
LAR003900	100yr	90.41	0.00	-0.05	7.19	7.19	7.19
LAR004000	100yr	70.43	0.00	-0.01	39.86	39.86	39.86
LAR004100	100yr	55.21	0.00	-0.24	4.39	4.39	4.39
LAR004200	100yr	20.49	-15.19	0.53	11.59	11.89	11.74
LAR004300A - Pipe	100yr	48.19	0.00	-0.03	0.00	0.00	0.00
LAR004300A - Weir: 1	100yr	48.19	0.00	-0.04	2.87	2.87	2.87
LAR004300B	100yr	136.60	0.00	-0.17	1.95	5.07	3.21
LAR004500	100yr	0.00	-5.11	-0.05	-1.00	-1.05	-1.03
LAR004600	100yr	129.95	-4.88	0.04	4.01	4.01	4.01
LAR004700 - Pipe	100yr	79.48	0.00	0.05	0.00	0.00	0.00
LAR004700 - Weir: 1	100yr	79.48	0.00	0.10	8.83	8.83	8.83
LAR004800	100yr	5.98	-4.86	-0.04	3.01	-4.30	-2.92
LAR004900	100yr	161.26	-7.67	-2.35	8.21	8.91	8.53
LAR005000	100yr	158.48	-7.66	4.83	8.07	8.47	8.07
LAR005100	100yr	154.49	-7.65	-3.49	7.87	8.98	7.89
LAR005200	100yr	49.91	-0.02	4.01	3.97	3.97	3.97
LAR005300	100yr	211.31	-0.01	4.98	10.76	10.76	10.76
LAR005400	100yr	71.95	0.00	-4.31	2.69	2.69	2.69
LAR005500 - Pipe	100yr	133.08	0.00	-12.79	0.00	0.00	0.00
LAR005500 - Weir: 1	100yr	33.35	0.00	-0.04	2.08	2.08	2.08
LAR005500 - Weir: 2	100yr	115.50	0.00	-25.59	1.80	1.80	1.80
LAR005600	100yr	7.19	-0.82	-0.01	9.15	9.15	9.15
LAR005700 - Pipe	100yr	52.75	0.00	0.01	0.00	0.00	0.00
LAR005700 - Weir: 1	100yr	52.75	0.00	0.01	3.30	3.30	3.30
LAR005800	100yr	153.10	0.00	0.24	1.51	2.64	1.78
LAR005900 -	100yr	151.78	0.00	-0.14	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Pipe							
LAR005900 - Weir: 1	100yr	151.78	0.00	-0.28	9.49	9.49	9.49
LAR006000	100yr	33.01	-29.13	0.83	3.50	3.82	3.50
LAR006100 - Pipe	100yr	68.83	0.00	-0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	100yr	68.83	0.00	-0.01	7.65	7.65	7.65
LAR006200 - Pipe	100yr	77.05	0.00	0.03	0.00	0.00	0.00
LAR006200 - Weir: 1	100yr	77.05	0.00	0.06	8.56	8.56	8.56
LAR006300	100yr	42.24	-0.24	0.04	8.60	8.60	8.60
LAR006400 - Pipe	100yr	42.21	0.00	0.01	0.00	0.00	0.00
LAR006400 - Weir: 1	100yr	42.21	0.00	-0.01	4.69	4.69	4.69
LAR006500 - Pipe	100yr	44.04	0.00	-0.04	0.00	0.00	0.00
LAR006500 - Weir: 1	100yr	44.04	0.00	-0.07	4.89	4.89	4.89
LAR006600A	100yr	33.58	0.00	0.08	1.21	1.21	1.21
LAR006600B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	100yr	24.70	-67.81	3.38	0.95	0.95	0.95
LAR006700B	100yr	0.26	-65.58	3.23	-0.09	-0.09	-0.09
LAR006700C	100yr	0.79	-56.99	-42.36	-0.05	-0.05	-0.05
LAR006800 - Pipe	100yr	78.37	0.00	0.01	0.00	0.00	0.00
LAR006800 - Weir: 1	100yr	78.37	0.00	0.01	8.71	8.71	8.71
LAR006900 - Pipe	100yr	256.65	0.00	0.22	0.00	0.00	0.00
LAR006900 - Weir: 1	100yr	62.44	0.00	-0.13	6.94	6.94	6.94
LAR006900 - Weir: 2	100yr	243.47	0.00	0.17	2.04	2.04	2.04
LAR007000	100yr	259.26	0.00	-46.06	3.69	7.44	5.21
LAR007100 - Pipe	100yr	198.94	0.00	0.02	0.00	0.00	0.00
LAR007100 - Weir: 1	100yr	66.31	0.00	0.01	14.74	14.74	14.74
LAR007100 - Weir: 2	100yr	132.63	0.00	0.02	14.74	14.74	14.74
LAR007200	100yr	15.43	-0.04	-0.03	4.91	4.91	4.91
LAR007250	100yr	15.43	-0.01	0.07	4.91	4.91	4.91
LAR007300	100yr	28.30	0.00	0.01	2.72	2.72	2.72
LAR007400A	100yr	11.43	0.00	0.02	6.47	7.08	6.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR007400B	100yr	17.18	0.00	-0.01	3.05	0.81	1.91
LAR007500A	100yr	9.97	0.00	0.00	5.64	5.64	5.64
LAR007500B	100yr	22.28	0.00	-0.10	2.09	3.23	2.65
LAR007600A	100yr	104.31	0.00	23.22	16.60	20.27	16.80
LAR007600B	100yr	133.22	0.00	0.04	3.78	3.78	3.78
LAR007700	100yr	179.24	0.00	-0.06	1.25	3.90	2.52
LAR007800	100yr	44.33	0.00	-0.03	3.98	5.03	4.51
LAR007900	100yr	0.86	-0.29	-0.03	0.03	0.03	0.03
LAR007900B	100yr	6.99	-0.85	0.94	0.07	0.07	0.07
LAR008000	100yr	191.95	0.00	-0.02	13.58	13.58	13.58
LAR008100	100yr	288.47	0.00	0.94	18.14	18.14	18.14
LAR008200	100yr	0.26	-0.55	-0.02	-0.04	-1.29	-0.65
LAR008300	100yr	0.26	-0.60	0.02	0.39	-2.32	-1.27
LAR008400A	100yr	4.59	-1.30	-0.05	0.29	0.29	0.29
LAR008400B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	100yr	1.07	-12.58	0.04	-1.12	-1.12	-1.12
LAR008500B	100yr	14.67	-0.19	0.04	0.07	0.07	0.07
LAR008600A	100yr	24.45	0.00	0.01	2.05	2.05	2.05
LAR008600B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	100yr	2.57	-2.63	-1.39	0.76	0.76	0.76
LAR008700B	100yr	0.00	-6.36	-0.01	-0.19	-0.19	-0.19
LAR008800	100yr	17.56	0.00	0.01	1.85	1.85	1.85
LAR008900	100yr	47.10	0.00	0.00	3.15	3.15	3.15
LAR008901	100yr	49.84	-0.06	-3.76	5.18	5.18	5.18
LAR008902 - Pipe	100yr	49.85	0.00	-0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	100yr	49.85	0.00	-0.01	12.46	12.46	12.46
LAR009000	100yr	37.47	0.00	0.01	2.73	2.73	2.73
LAR009100A	100yr	14.13	-1.47	-0.09	2.27	-2.56	2.27
LAR009100B	100yr	47.67	0.00	4.42	1.30	1.30	1.30
LAR009200	100yr	33.40	0.00	-0.03	1.28	2.03	1.55
LAR009300A	100yr	4.60	-12.27	0.80	-1.74	-1.74	-1.74
LAR009300B	100yr	101.26	-3.42	17.90	2.06	2.06	2.06
LAR009400 - Pipe	100yr	4.60	-12.31	0.02	0.00	0.00	0.00
LAR009400 - Weir: 1	100yr	4.60	-12.31	0.03	-2.49	-2.49	-2.49
LAR009600	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	100yr	40.55	-2.25	2.06	5.47	5.47	5.47
LAR009800	100yr	40.55	-2.34	2.97	5.47	5.47	5.47
LAR009900	100yr	40.55	-1.43	-0.66	5.47	5.47	5.47
LAR010000A	100yr	5.61	-5.20	0.01	1.97	-4.16	-2.99
LAR010000B	100yr	23.68	0.00	0.01	1.66	0.87	1.27
LAR010100	100yr	11.14	0.00	0.23	4.54	4.54	4.54
LAR010200	100yr	78.91	0.00	-0.02	11.16	11.50	11.33
LAR010400	100yr	32.14	-0.22	-0.01	9.09	9.34	9.22

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR010500	100yr	14.98	0.00	-0.01	1.46	0.43	0.95
LAR010600	100yr	51.43	-51.86	-1.31	-0.95	0.88	-0.90
LAR010700	100yr	15.27	0.00	-0.01	1.58	0.50	1.04
LAR010900	100yr	46.76	-1.32	0.09	6.62	7.36	6.98
LAR011000	100yr	30.91	-6.85	0.28	0.62	-1.74	-0.89
LAR011100	100yr	57.70	0.00	0.11	8.16	9.31	8.72
LAR011300	100yr	21.09	-12.56	0.30	6.71	6.71	6.71
LAR011500	100yr	12.58	-0.53	-0.84	0.60	0.59	0.60
LAR011600	100yr	0.00	-16.22	-3.75	-1.00	-1.00	-1.00
LAR011800	100yr	1.20	-12.86	0.03	-4.13	-4.34	-4.24
LAR000100	10yr	873.74	-219.94	42.27	6.83	7.64	6.86
LAR000200	10yr	544.96	-148.90	1.09	2.95	8.16	5.45
LAR000300	10yr	342.81	-135.54	0.98	2.76	2.70	2.73
LAR000400	10yr	207.13	-26.44	0.95	1.87	5.32	3.59
LAR000500	10yr	104.67	-8.27	0.08	2.47	4.97	3.46
LAR000600	10yr	296.73	-70.85	0.90	1.56	1.97	1.77
LAR000700	10yr	313.36	-9.11	-0.11	2.48	3.29	2.87
LAR000800	10yr	358.49	-4.21	0.09	2.64	2.86	2.75
LAR000900	10yr	343.12	-3.12	-0.08	2.90	2.59	2.74
LAR001000	10yr	192.06	-1.95	-0.18	1.21	3.09	1.66
LAR001100	10yr	166.48	-43.42	8.80	-2.94	2.31	-2.41
LAR001200	10yr	155.16	-0.57	-2.00	1.39	0.75	1.06
LAR001300	10yr	107.97	-0.46	-0.31	0.88	1.65	0.95
LAR001400	10yr	64.38	-8.27	0.22	1.12	1.58	1.07
LAR001500	10yr	26.77	-16.98	0.27	0.92	2.95	1.87
LAR001600 - Pipe	10yr	25.97	-8.17	0.02	0.00	0.00	0.00
LAR001600 - Weir: 1	10yr	17.23	-8.17	0.02	1.63	1.63	1.63
LAR001600 - Weir: 2	10yr	12.04	0.00	0.00	1.44	1.44	1.44
LAR001700	10yr	64.82	0.00	0.03	2.40	3.42	2.34
LAR001800	10yr	33.70	0.00	0.02	3.25	1.35	2.28
LAR001900 - Pipe	10yr	33.78	0.00	0.02	0.00	0.00	0.00
LAR001900 - Weir: 1	10yr	33.78	0.00	-0.01	3.75	3.75	3.75
LAR002000	10yr	212.18	-40.31	0.23	1.54	1.67	1.60
LAR002100	10yr	140.58	-8.31	0.21	1.48	-1.74	1.25
LAR002200	10yr	134.44	-4.38	0.08	2.06	-2.06	1.75
LAR002300	10yr	188.92	-2.50	-0.07	2.51	2.88	2.69
LAR002400	10yr	9.28	0.00	0.03	1.10	0.14	0.60
LAR002500	10yr	160.62	0.00	-0.03	2.07	2.22	2.15
LAR002600	10yr	122.50	0.00	-0.03	1.82	1.79	1.81
LAR002650	10yr	261.03	0.00	-0.17	3.89	3.79	3.84
LAR002700	10yr	140.15	0.00	0.07	1.78	1.96	1.87
LAR002800	10yr	0.01	-0.23	-0.02	-0.04	-0.06	-0.04

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR002900	10yr	75.27	0.00	0.02	2.14	4.12	2.80
LAR003000	10yr	238.83	-19.86	0.27	1.84	3.10	2.02
LAR003100A	10yr	408.83	-11.75	-7.46	10.22	10.22	10.22
LAR003100B	10yr	37.07	0.00	0.01	1.62	1.62	1.62
LAR003200	10yr	442.80	-12.31	-11.17	1.27	1.24	1.25
LAR003300A	10yr	208.96	-105.32	1.51	5.22	5.22	5.22
LAR003300B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	10yr	122.42	-52.92	-0.33	1.02	-0.72	0.61
LAR003500	10yr	79.50	-0.21	0.14	5.00	5.00	5.00
LAR003600	10yr	66.30	-5.88	0.09	4.17	4.17	4.17
LAR003700	10yr	66.42	-0.82	0.28	5.29	5.29	5.29
LAR003800 - Pipe	10yr	66.56	0.00	0.03	0.00	0.00	0.00
LAR003800 - Weir: 1	10yr	66.56	0.00	0.02	3.18	3.18	3.18
LAR003800 - Weir: 2	10yr	2.24	0.00	-0.01	0.95	0.95	0.95
LAR003900	10yr	79.47	0.00	0.24	6.32	6.32	6.32
LAR004000	10yr	41.98	0.00	-0.02	23.76	23.76	23.76
LAR004100	10yr	57.73	0.00	-0.48	4.59	4.59	4.59
LAR004200	10yr	20.48	-3.09	1.03	11.59	11.88	11.73
LAR004300A - Pipe	10yr	48.31	0.00	0.03	0.00	0.00	0.00
LAR004300A - Weir: 1	10yr	48.31	0.00	0.01	2.89	2.89	2.89
LAR004300B	10yr	47.61	0.00	-0.02	1.46	4.98	3.16
LAR004500	10yr	0.00	-2.93	-0.05	-0.68	-0.70	-0.69
LAR004600	10yr	69.99	-4.86	0.08	3.52	3.52	3.52
LAR004700 - Pipe	10yr	57.82	0.00	0.05	0.00	0.00	0.00
LAR004700 - Weir: 1	10yr	57.82	0.00	0.10	6.42	6.42	6.42
LAR004800	10yr	5.42	-4.59	0.05	2.89	-4.24	-2.85
LAR004900	10yr	107.37	-7.02	0.80	5.79	8.12	6.85
LAR005000	10yr	113.26	-7.02	1.73	5.96	8.47	7.21
LAR005100	10yr	133.50	-7.02	-1.68	6.80	8.98	7.89
LAR005200	10yr	28.55	-0.02	-0.87	2.27	2.27	2.27
LAR005300	10yr	123.17	-0.25	4.59	6.27	6.27	6.27
LAR005400	10yr	28.62	0.00	-2.20	2.08	2.08	2.08
LAR005500 - Pipe	10yr	32.22	0.00	0.01	0.00	0.00	0.00
LAR005500 - Weir: 1	10yr	32.22	0.00	0.01	2.01	2.01	2.01
LAR005500 - Weir: 2	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR005600	10yr	5.41	-2.35	0.03	6.89	6.89	6.89
LAR005700 -	10yr	37.13	0.00	0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Pipe							
LAR005700 - Weir: 1	10yr	37.13	0.00	0.03	2.54	2.54	2.54
LAR005800	10yr	105.23	0.00	-0.04	1.55	2.28	1.53
LAR005900 - Pipe	10yr	105.43	0.00	0.03	0.00	0.00	0.00
LAR005900 - Weir: 1	10yr	105.43	0.00	0.05	6.59	6.59	6.59
LAR006000	10yr	17.49	-31.51	0.84	3.75	-4.33	-3.68
LAR006100 - Pipe	10yr	60.56	0.00	-0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	10yr	60.56	0.00	0.01	6.73	6.73	6.73
LAR006200 - Pipe	10yr	65.02	0.00	0.02	0.00	0.00	0.00
LAR006200 - Weir: 1	10yr	65.02	0.00	0.02	7.22	7.22	7.22
LAR006300	10yr	29.33	-0.24	0.13	5.97	5.97	5.97
LAR006400 - Pipe	10yr	29.32	0.00	0.01	0.00	0.00	0.00
LAR006400 - Weir: 1	10yr	29.32	0.00	-0.01	3.26	3.26	3.26
LAR006500 - Pipe	10yr	33.46	0.00	0.01	0.00	0.00	0.00
LAR006500 - Weir: 1	10yr	33.46	0.00	-0.01	3.72	3.72	3.72
LAR006600A	10yr	32.50	0.00	0.07	1.20	1.20	1.20
LAR006600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	10yr	19.09	-66.01	6.68	0.73	0.73	0.73
LAR006700B	10yr	0.40	-63.86	6.39	-0.05	-0.05	-0.05
LAR006700C	10yr	1.43	-14.05	0.01	-0.01	-0.01	-0.01
LAR006800 - Pipe	10yr	52.20	0.00	0.01	0.00	0.00	0.00
LAR006800 - Weir: 1	10yr	52.20	0.00	0.01	5.80	5.80	5.80
LAR006900 - Pipe	10yr	118.02	0.00	0.08	0.00	0.00	0.00
LAR006900 - Weir: 1	10yr	66.51	0.00	-0.09	7.39	7.39	7.39
LAR006900 - Weir: 2	10yr	96.77	0.00	0.10	1.62	1.62	1.62
LAR007000	10yr	154.45	0.00	-50.97	3.46	6.48	4.97
LAR007100 - Pipe	10yr	146.02	0.00	0.03	0.00	0.00	0.00
LAR007100 - Weir: 1	10yr	49.75	0.00	0.01	11.06	11.06	11.06
LAR007100 -	10yr	96.27	0.00	0.02	10.70	10.70	10.70

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Weir: 2							
LAR007200	10yr	0.57	-0.04	-0.13	0.18	0.18	0.18
LAR007250	10yr	0.67	0.00	0.26	0.21	0.21	0.21
LAR007300	10yr	15.69	0.00	-0.01	2.24	2.24	2.24
LAR007400A	10yr	11.19	0.00	-0.02	6.33	6.98	6.66
LAR007400B	10yr	4.75	0.00	-0.01	2.20	0.39	1.29
LAR007500A	10yr	9.65	0.00	-0.01	5.46	5.46	5.46
LAR007500B	10yr	9.77	0.00	0.03	1.61	2.69	2.15
LAR007600A	10yr	62.71	0.00	0.26	9.98	16.96	13.47
LAR007600B	10yr	4.97	0.00	0.01	1.51	1.51	1.51
LAR007700	10yr	98.68	0.00	0.04	0.99	3.90	2.37
LAR007800	10yr	22.25	0.00	-0.03	3.24	4.51	3.58
LAR007900	10yr	0.52	-0.27	0.09	0.03	0.03	0.03
LAR007900B	10yr	5.77	-0.43	-2.79	0.06	0.06	0.06
LAR008000	10yr	117.95	0.00	-0.03	8.34	8.34	8.34
LAR008100	10yr	154.20	0.00	1.47	9.70	9.70	9.70
LAR008200	10yr	0.11	-0.55	-0.02	-0.04	-1.30	-0.65
LAR008300	10yr	0.05	-0.35	0.01	0.34	-2.04	-1.10
LAR008400A	10yr	3.87	-0.33	-0.06	0.32	0.32	0.32
LAR008400B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	10yr	0.81	-4.29	0.08	-1.08	-1.08	-1.08
LAR008500B	10yr	1.83	-0.01	0.00	0.04	0.04	0.04
LAR008600A	10yr	19.19	0.00	0.01	1.90	1.90	1.90
LAR008600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	10yr	3.08	-0.35	0.00	0.93	0.93	0.93
LAR008700B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008800	10yr	9.83	0.00	0.00	1.54	1.54	1.54
LAR008900	10yr	32.23	0.00	0.00	2.88	2.88	2.88
LAR008901	10yr	36.41	-0.07	-4.24	3.78	3.78	3.78
LAR008902 - Pipe	10yr	36.42	0.00	0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	10yr	36.42	0.00	0.01	9.10	9.10	9.10
LAR009000	10yr	25.42	0.00	0.01	2.45	2.45	2.45
LAR009100A	10yr	8.20	-1.47	0.22	1.46	-2.56	-1.84
LAR009100B	10yr	28.76	0.00	6.60	0.78	0.78	0.78
LAR009200	10yr	17.95	0.00	0.01	0.94	2.39	1.66
LAR009300A	10yr	0.00	-12.35	1.15	-1.75	-1.75	-1.75
LAR009300B	10yr	65.86	-0.91	-0.14	1.62	1.62	1.62
LAR009400 - Pipe	10yr	0.00	-12.37	0.00	0.00	0.00	0.00
LAR009400 - Weir: 1	10yr	0.00	-12.38	0.00	0.00	0.00	0.00
LAR009600	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	10yr	23.96	-4.43	2.10	3.23	3.23	3.23
LAR009800	10yr	23.96	-4.36	-3.24	3.23	3.23	3.23
LAR009900	10yr	23.95	-4.15	0.89	3.33	3.23	3.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR010000A	10yr	6.73	-5.20	0.02	2.36	-4.16	-2.99
LAR010000B	10yr	4.05	0.00	0.01	1.10	0.50	0.80
LAR010100	10yr	7.48	0.00	0.03	3.05	3.05	3.05
LAR010200	10yr	61.31	0.00	-0.02	8.67	9.30	8.98
LAR010400	10yr	28.78	-0.68	0.01	8.14	8.37	8.26
LAR010500	10yr	13.14	0.00	-0.01	1.61	0.60	1.10
LAR010600	10yr	12.69	-21.66	-0.70	0.72	0.59	0.65
LAR010700	10yr	14.42	0.00	-0.01	1.59	0.58	1.08
LAR010900	10yr	34.86	-1.63	0.07	4.94	6.70	5.60
LAR011000	10yr	19.91	-2.29	0.24	0.62	-1.76	-0.90
LAR011100	10yr	37.84	0.00	-0.10	5.35	7.59	6.45
LAR011300	10yr	10.24	-12.48	0.75	-3.97	-3.97	-3.97
LAR011500	10yr	0.47	-1.41	0.58	-0.07	-0.07	-0.07
LAR011600	10yr	0.05	-15.96	-3.71	-1.07	-1.07	-1.07
LAR011800	10yr	0.00	-9.45	0.01	-3.67	-4.21	-3.91

Node Max Conditions [LAR Prop Imp C]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR000000	100yr	5.00	4.52	-0.0013	1544.30	200.85	0
LAR000100	100yr	5.00	6.46	-0.0010	1994.61	2123.26	127733
LAR000200	100yr	5.10	6.80	0.0010	1518.24	1615.57	156858
LAR000300	100yr	9.10	6.91	0.0010	2455.02	2451.12	115060
LAR000400	100yr	10.60	6.97	0.0010	727.39	667.83	46555
LAR000500	100yr	12.00	7.47	0.0011	161.29	158.82	26222
LAR000600	100yr	5.02	7.41	0.0009	2572.14	2560.94	259898
LAR000700	100yr	9.31	8.19	0.0006	670.67	689.48	97434
LAR000800	100yr	8.02	9.29	0.0005	650.17	649.75	26735
LAR000900	100yr	9.32	10.18	0.0005	618.91	613.05	32103
LAR001000	100yr	8.37	10.34	-0.0006	318.56	314.96	13258
LAR001100	100yr	9.53	10.52	0.0015	281.77	274.63	4500
LAR001200	100yr	9.50	10.52	0.0004	248.83	258.89	13657
LAR001300	100yr	9.70	10.56	0.0006	188.12	194.07	22537
LAR001400	100yr	12.32	10.57	0.0004	114.09	124.54	37209
LAR001500	100yr	10.00	10.57	0.0004	39.49	41.31	15363
LAR001600	100yr	10.00	13.12	0.0003	256.63	39.49	156816
LAR001700	100yr	14.46	10.72	0.0003	83.70	85.21	13569
LAR001800	100yr	18.00	12.10	0.0010	40.37	40.55	4504
LAR001900	100yr	16.00	16.55	0.0004	118.91	40.37	55713
LAR002000	100yr	5.00	7.58	0.0003	1493.46	1463.03	251877
LAR002100	100yr	7.20	7.64	0.0003	844.86	830.87	132095
LAR002200	100yr	7.20	7.84	0.0003	472.04	464.79	51917
LAR002300	100yr	7.20	7.91	0.0003	632.22	626.37	80318
LAR002400	100yr	7.50	7.98	0.0002	108.43	108.37	29526
LAR002500	100yr	10.00	8.30	0.0003	383.46	380.95	78944
LAR002600	100yr	10.00	8.64	0.0003	554.16	553.69	91559
LAR002700	100yr	11.37	9.08	0.0003	491.38	491.66	18239
LAR002800	100yr	11.37	9.60	0.0003	529.79	529.50	8797
LAR002900	100yr	8.00	9.87	-0.0002	381.04	360.88	68134
LAR003000	100yr	6.16	7.87	0.0003	981.51	973.39	123432
LAR003100	100yr	6.00	9.51	-0.0010	807.79	807.44	6231
LAR003200	100yr	6.00	9.58	0.0004	808.22	807.79	11791
LAR003300	100yr	10.00	10.61	0.0004	366.23	362.68	104954
LAR003400	100yr	8.00	10.66	0.0003	240.26	211.39	141202
LAR003500	100yr	19.79	12.39	-0.0010	90.36	90.38	5515
LAR003600	100yr	15.93	13.81	0.0037	86.14	86.15	5239
LAR003700	100yr	16.00	15.42	0.0187	110.41	86.14	652
LAR003800	100yr	14.00	16.17	0.0006	249.57	110.61	68346
LAR003900	100yr	13.79	17.69	-0.0031	90.35	90.36	4246
LAR004000	100yr	12.91	72.58	0.0010	97.48	70.43	3051
LAR004100	100yr	12.39	17.88	-0.0113	171.22	66.02	46374

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR004300	100yr	15.00	17.92	0.0004	365.79	171.22	183260
LAR004600	100yr	11.00	10.82	0.0004	143.46	129.95	49526
LAR004700	100yr	10.00	12.73	0.0006	206.12	79.48	61376
LAR004800	100yr	5.00	7.00	0.0010	1713.82	1761.80	114694
LAR004900	100yr	11.82	9.05	0.0135	161.30	161.29	300
LAR005000	100yr	11.97	9.80	0.0528	158.51	158.51	250
LAR005100	100yr	12.00	10.58	-0.0010	503.21	154.52	203429
LAR005200	100yr	12.25	10.61	-0.0010	50.12	49.91	289
LAR005300	100yr	12.00	11.26	-0.0025	211.52	211.31	100
LAR005400	100yr	5.50	7.33	0.0002	133.09	71.35	100057
LAR005500	100yr	11.00	12.91	0.0010	177.01	133.09	38246
LAR005600	100yr	8.00	9.89	0.0006	91.27	7.15	69479
LAR005700	100yr	11.00	9.99	0.0003	263.45	52.59	208370
LAR005800	100yr	8.57	10.21	0.0004	151.79	153.11	5119
LAR005900	100yr	11.00	15.00	0.0009	464.96	151.79	105241
LAR006000	100yr	10.80	10.30	0.0004	99.33	32.97	73221
LAR006100	100yr	12.00	12.55	0.0003	77.05	68.81	45041
LAR006200	100yr	16.00	17.04	0.0004	411.95	77.05	224508
LAR006300	100yr	10.35	12.87	0.0006	42.21	42.24	200
LAR006400	100yr	10.80	15.28	0.0009	140.22	42.21	30536
LAR006500	100yr	13.00	13.92	0.0006	78.03	44.05	18949
LAR006600	100yr	10.00	9.58	0.0002	356.16	354.29	118973
LAR006700	100yr	7.00	8.54	0.0001	458.47	453.83	221364
LAR006800	100yr	11.00	13.23	0.0003	396.61	78.25	190357
LAR006900	100yr	15.00	14.50	0.0005	259.26	256.61	50150
LAR007000	100yr	14.00	18.90	0.0026	259.14	259.26	4854
LAR007100	100yr	14.00	19.22	0.0010	669.90	198.68	117699
LAR007200	100yr	11.37	9.52	0.0003	14.82	14.82	150
LAR007300	100yr	15.00	10.36	0.0002	28.61	28.30	7804
LAR007400	100yr	17.00	16.38	-0.0014	28.80	28.61	11224
LAR007500	100yr	17.00	17.61	-0.0018	28.87	28.80	7969
LAR007600	100yr	15.50	17.09	0.0010	252.82	256.10	49224
LAR007700	100yr	16.00	14.94	0.0002	189.77	179.15	88409
LAR007800	100yr	16.00	16.02	0.0002	114.23	44.34	124016
LAR007850	100yr	0.00	10.09	0.0001	89.23	89.30	22817
LAR007900	100yr	10.00	10.10	0.0001	193.23	194.82	84269
LAR008000	100yr	12.00	14.11	0.0001	288.46	192.03	148942
LAR008100	100yr	16.00	20.80	0.0005	288.48	288.47	941
LAR008200	100yr	13.00	20.80	0.0005	0.58	0.26	596
LAR008300	100yr	14.01	20.80	0.0005	0.74	0.26	190
LAR008400	100yr	10.59	10.82	0.0001	415.67	392.27	283897
LAR008500	100yr	11.00	11.34	0.0001	157.88	151.13	64814
LAR008600	100yr	13.00	12.27	0.0001	144.82	144.13	59436
LAR008700	100yr	11.00	11.10	0.0001	105.66	83.29	99387
LAR008800	100yr	13.00	11.35	0.0001	50.98	51.04	13379
LAR008900	100yr	16.00	13.22	0.0001	49.84	47.10	223873
LAR008901	100yr	18.50	13.48	0.0010	49.85	49.84	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR008902	100yr	20.00	23.71	0.0006	504.03	49.85	199940
LAR009000	100yr	14.00	13.10	0.0002	108.15	108.10	12674
LAR009100	100yr	14.00	14.14	0.0002	66.95	61.81	27880
LAR009200	100yr	15.00	14.45	0.0002	32.81	33.37	11924
LAR009300	100yr	14.00	14.10	0.0001	107.87	101.28	23977
LAR009400	100yr	16.00	14.11	0.0010	12.31	12.27	100
LAR009500	100yr	0.00	14.50	0.0001	4.65	12.31	0
LAR009600	100yr	0.00	14.11	0.0001	75.66	16.44	215050
LAR009700	100yr	15.00	14.73	-0.0010	40.55	40.55	434
LAR009800	100yr	15.00	15.23	0.0007	40.54	40.55	500
LAR009900	100yr	14.00	15.93	-0.0003	137.97	40.54	100041
LAR010000	100yr	15.00	15.96	0.0002	97.84	27.06	93028
LAR010100	100yr	14.50	15.09	0.0002	16.39	11.14	11872
LAR010200	100yr	14.51	15.34	0.0007	219.54	78.91	78854
LAR010300	100yr	14.00	11.60	0.0001	32.39	0.22	0
LAR010400	100yr	13.20	14.19	-0.0004	329.54	291.60	89601
LAR010500	100yr	13.70	14.48	-0.0001	79.64	70.04	50565
LAR010600	100yr	13.00	14.20	-0.0003	100.38	89.49	22160
LAR010700	100yr	15.40	14.80	0.0013	110.10	152.59	33997
LAR010800	100yr	14.00	12.90	0.0002	46.77	1.32	0
LAR010900	100yr	14.50	14.04	0.0008	50.09	49.61	19057
LAR011000	100yr	13.90	14.06	-0.0003	34.70	34.32	31460
LAR011100	100yr	18.00	23.44	0.0009	133.42	57.70	24194
LAR011600	100yr	9.70	10.62	0.0001	25.26	17.83	51817
LAR011900	100yr	0.00	10.04	0.0008	460.05	437.89	115684
LAR012000	100yr	0.00	10.44	0.0002	450.42	446.46	138276
LAR012100	100yr	0.00	10.62	0.0001	66.38	65.44	34408
LAR012200	100yr	0.00	10.81	0.0004	38.29	35.58	11691
LAR000000	10yr	5.00	4.52	0.0009	896.43	220.16	0
LAR000100	10yr	5.00	4.92	-0.0015	898.11	896.43	93842
LAR000200	10yr	5.10	5.68	0.0010	993.72	992.86	152590
LAR000300	10yr	9.10	5.86	0.0010	1267.64	1265.35	115060
LAR000400	10yr	10.60	5.92	0.0010	320.18	319.03	45948
LAR000500	10yr	12.00	6.64	0.0021	107.38	104.69	24782
LAR000600	10yr	5.02	6.39	0.0008	1408.25	1400.57	239343
LAR000700	10yr	9.31	8.06	0.0004	366.45	367.87	79335
LAR000800	10yr	8.02	8.56	0.0004	360.37	358.56	26608
LAR000900	10yr	9.32	9.18	0.0005	376.70	364.32	30936
LAR001000	10yr	8.37	9.30	-0.0012	197.45	192.08	12390
LAR001100	10yr	9.53	9.37	0.0030	167.88	166.44	4087
LAR001200	10yr	9.50	9.37	0.0005	153.41	155.19	12692
LAR001300	10yr	9.70	9.41	0.0005	108.08	108.04	19075
LAR001400	10yr	12.32	9.43	0.0005	67.02	66.27	33165
LAR001500	10yr	10.00	9.43	0.0005	25.90	26.69	12579
LAR001600	10yr	10.00	10.28	0.0003	150.49	25.90	156816
LAR001700	10yr	14.46	9.79	0.0004	66.66	64.82	11804
LAR001800	10yr	18.00	11.80	0.0010	33.78	33.70	4054

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR001900	10yr	16.00	14.93	0.0002	68.01	33.78	49157
LAR002000	10yr	5.00	6.67	0.0003	818.16	804.38	224531
LAR002100	10yr	7.20	6.74	0.0003	607.98	603.70	128703
LAR002200	10yr	7.20	7.07	0.0002	372.93	375.07	51917
LAR002300	10yr	7.20	7.31	0.0003	375.39	374.66	75574
LAR002400	10yr	7.50	7.38	0.0003	14.48	14.40	10921
LAR002500	10yr	10.00	7.78	0.0003	229.20	228.28	73551
LAR002600	10yr	10.00	8.16	0.0002	297.32	297.28	90586
LAR002700	10yr	11.37	8.53	0.0002	284.98	285.12	18239
LAR002800	10yr	11.37	8.71	0.0004	284.84	284.82	8279
LAR002900	10yr	8.00	9.10	-0.0002	220.69	217.91	67099
LAR003000	10yr	6.16	7.41	0.0003	546.79	542.91	108034
LAR003100	10yr	6.00	8.65	0.0016	442.94	442.66	5789
LAR003200	10yr	6.00	8.68	-0.0007	443.28	442.94	11744
LAR003300	10yr	10.00	9.01	0.0004	197.26	209.17	95153
LAR003400	10yr	8.00	9.07	0.0004	137.46	122.53	122208
LAR003500	10yr	19.79	10.89	0.0034	79.49	79.52	5517
LAR003600	10yr	15.93	10.82	0.0010	66.42	66.30	5239
LAR003700	10yr	16.00	11.69	0.0013	66.56	66.42	652
LAR003800	10yr	14.00	12.59	0.0005	143.91	66.56	64057
LAR003900	10yr	13.79	14.86	0.0133	79.47	79.49	4257
LAR004000	10yr	12.91	34.29	0.0010	51.68	41.98	3051
LAR004100	10yr	12.39	15.53	-0.0169	94.86	57.63	29584
LAR004300	10yr	15.00	16.26	0.0003	212.64	91.11	175475
LAR004600	10yr	11.00	10.12	0.0003	83.16	69.99	47250
LAR004700	10yr	10.00	10.44	0.0003	118.23	57.82	61376
LAR004800	10yr	5.00	5.95	0.0005	839.37	835.69	114694
LAR004900	10yr	11.82	7.49	0.0271	113.26	107.38	300
LAR005000	10yr	11.97	7.88	0.0969	133.50	113.26	250
LAR005100	10yr	12.00	8.22	-0.0009	293.26	133.50	163715
LAR005200	10yr	12.25	8.24	-0.0009	28.69	28.55	289
LAR005300	10yr	12.00	8.36	-0.0014	123.32	123.17	100
LAR005400	10yr	5.50	6.26	0.0001	32.22	28.62	100057
LAR005500	10yr	11.00	10.67	0.0006	99.00	32.22	37445
LAR005600	10yr	8.00	8.25	0.0004	53.88	5.39	69479
LAR005700	10yr	11.00	8.74	0.0002	152.83	37.03	198731
LAR005800	10yr	8.57	9.23	0.0005	105.44	105.24	4316
LAR005900	10yr	11.00	11.57	0.0005	266.71	105.44	105241
LAR006000	10yr	10.80	9.21	0.0003	74.50	17.50	68970
LAR006100	10yr	12.00	11.17	0.0003	65.02	60.56	43170
LAR006200	10yr	16.00	15.27	0.0002	236.91	65.02	215133
LAR006300	10yr	10.35	10.56	0.0006	29.33	29.33	200
LAR006400	10yr	10.80	11.74	0.0005	82.06	29.33	30536
LAR006500	10yr	13.00	11.59	0.0002	44.66	33.46	16224
LAR006600	10yr	10.00	9.37	-0.0003	203.03	193.05	108361
LAR006700	10yr	7.00	8.05	0.0001	247.51	225.79	218688
LAR006800	10yr	11.00	10.11	0.0002	153.32	51.86	184829

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR006900	10yr	15.00	14.28	0.0004	154.45	118.04	49149
LAR007000	10yr	14.00	17.95	0.0017	139.98	154.45	4751
LAR007100	10yr	14.00	14.44	0.0006	384.62	146.00	117699
LAR007200	10yr	11.37	8.24	0.0002	0.68	0.57	150
LAR007300	10yr	15.00	10.05	-0.0002	15.94	15.69	5993
LAR007400	10yr	17.00	16.18	-0.0036	16.31	15.94	8652
LAR007500	10yr	17.00	17.40	-0.0042	16.42	16.31	7793
LAR007600	10yr	15.50	15.30	0.0007	146.99	67.68	48394
LAR007700	10yr	16.00	14.49	0.0001	108.63	98.33	89137
LAR007800	10yr	16.00	15.28	0.0001	62.67	22.25	124016
LAR007850	10yr	0.00	9.54	0.0001	66.94	46.13	20932
LAR007900	10yr	10.00	9.54	0.0001	118.09	133.27	78437
LAR008000	10yr	12.00	11.04	0.0001	154.18	117.32	140260
LAR008100	10yr	16.00	12.11	0.0005	154.36	154.30	941
LAR008200	10yr	13.00	12.11	0.0002	0.55	0.11	596
LAR008300	10yr	14.01	12.11	0.0003	0.32	0.05	190
LAR008400	10yr	10.59	10.62	0.0001	236.57	221.34	266899
LAR008500	10yr	11.00	11.08	0.0001	89.01	84.60	60135
LAR008600	10yr	13.00	12.18	0.0001	82.17	81.29	54499
LAR008700	10yr	11.00	10.71	0.0001	60.97	57.41	99374
LAR008800	10yr	13.00	11.21	-0.0001	27.73	27.57	13231
LAR008900	10yr	16.00	12.94	0.0000	36.41	32.23	220617
LAR008901	10yr	18.50	13.06	0.0013	36.42	36.41	100
LAR008902	10yr	20.00	20.58	0.0004	287.12	36.42	199940
LAR009000	10yr	14.00	12.88	0.0001	60.62	60.38	11349
LAR009100	10yr	14.00	13.56	0.0001	38.75	36.96	24488
LAR009200	10yr	15.00	14.25	0.0001	18.14	17.96	11642
LAR009300	10yr	14.00	13.29	0.0002	67.88	65.85	23977
LAR009400	10yr	16.00	13.46	0.0010	12.38	12.35	100
LAR009500	10yr	0.00	14.50	0.0001	0.00	12.37	0
LAR009600	10yr	0.00	13.79	0.0001	59.64	0.00	201514
LAR009700	10yr	15.00	14.13	0.0010	23.96	23.96	434
LAR009800	10yr	15.00	14.31	0.0004	23.96	23.96	499
LAR009900	10yr	14.00	14.53	-0.0003	70.14	23.96	99610
LAR010000	10yr	15.00	14.85	0.0003	57.07	9.75	87785
LAR010100	10yr	14.50	14.38	0.0002	9.60	7.48	8903
LAR010200	10yr	14.51	13.37	0.0008	125.60	61.31	78854
LAR010300	10yr	14.00	11.60	0.0001	30.16	0.68	0
LAR010400	10yr	13.20	13.84	0.0002	97.14	85.68	86791
LAR010500	10yr	13.70	14.16	0.0003	43.71	40.21	35492
LAR010600	10yr	13.00	13.84	0.0002	29.62	28.23	21952
LAR010700	10yr	15.40	14.78	0.0192	93.29	95.90	32430
LAR010800	10yr	14.00	12.90	0.0002	33.69	1.63	0
LAR010900	10yr	14.50	13.21	0.0002	34.13	33.78	13770
LAR011000	10yr	13.90	13.23	0.0002	20.42	19.80	8583
LAR011100	10yr	18.00	19.62	0.0005	76.44	37.84	24194
LAR011600	10yr	9.70	10.35	0.0001	19.18	4.87	49652

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
LAR011900	10yr	0.00	9.30	0.0002	248.66	242.76	109942
LAR012000	10yr	0.00	10.00	0.0003	206.49	200.48	97176
LAR012100	10yr	0.00	10.35	0.0001	25.05	26.86	28251
LAR012200	10yr	0.00	10.60	-0.0001	31.80	31.24	11386

Link Min/Max Conditions [LAR Prop Imp C]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR000100	100yr	1544.30	-200.85	63.39	12.06	12.06	12.06
LAR000200	100yr	620.16	-142.53	1.36	3.06	7.99	5.34
LAR000300	100yr	480.53	-129.68	1.11	2.71	2.62	2.64
LAR000400	100yr	371.32	-26.79	0.48	2.30	5.32	3.59
LAR000500	100yr	158.82	-9.45	-0.08	2.78	4.97	3.46
LAR000600	100yr	492.49	-59.44	0.73	2.01	2.58	2.30
LAR000700	100yr	338.76	-9.34	0.17	2.58	3.06	2.81
LAR000800	100yr	649.75	-4.04	0.11	3.85	5.06	4.46
LAR000900	100yr	613.05	-2.89	0.10	3.88	3.64	3.76
LAR001000	100yr	314.96	-1.72	0.05	1.50	3.09	1.75
LAR001100	100yr	274.63	-43.43	3.51	3.81	3.81	3.81
LAR001200	100yr	258.89	-0.70	-22.70	1.46	0.95	1.20
LAR001300	100yr	194.07	-0.59	0.38	1.14	1.65	1.10
LAR001400	100yr	124.54	-3.58	0.49	1.01	1.58	1.07
LAR001500	100yr	41.31	-23.21	0.44	0.95	2.95	1.87
LAR001600 - Pipe	100yr	39.49	-5.76	-5.07	0.00	0.00	0.00
LAR001600 - Weir: 1	100yr	17.55	-5.25	0.30	1.63	1.63	1.63
LAR001600 - Weir: 2	100yr	21.94	-1.98	-10.14	1.46	1.46	1.46
LAR001700	100yr	85.21	0.00	0.05	2.05	3.27	2.23
LAR001800	100yr	40.55	0.00	-0.06	3.22	1.25	2.21
LAR001900 - Pipe	100yr	40.37	0.00	0.02	0.00	0.00	0.00
LAR001900 - Weir: 1	100yr	40.37	0.00	0.01	4.49	4.49	4.49
LAR002000	100yr	294.88	-37.52	0.34	1.71	1.81	1.76
LAR002100	100yr	215.42	-9.62	0.62	1.54	-1.89	1.33
LAR002200	100yr	164.22	-5.03	-0.07	2.21	-1.48	1.83
LAR002300	100yr	222.68	-2.41	-0.11	2.65	3.08	2.86
LAR002400	100yr	57.35	0.00	-0.04	1.26	0.63	0.94
LAR002500	100yr	229.60	-1.00	-0.06	2.37	2.51	2.44
LAR002600	100yr	160.23	0.00	-0.06	1.92	1.80	1.86
LAR002650	100yr	490.57	0.00	-14.99	6.13	6.13	6.13
LAR002700	100yr	224.72	0.00	0.06	2.26	2.55	2.40
LAR002800	100yr	38.92	-0.45	0.04	5.51	5.51	5.51
LAR002900	100yr	108.50	0.00	-0.06	1.97	3.86	2.58
LAR003000	100yr	285.22	-12.90	-0.10	1.95	3.10	1.99
LAR003100A	100yr	475.30	-5.04	-5.09	11.88	11.88	11.88
LAR003100B	100yr	336.14	0.00	0.08	3.82	3.82	3.82
LAR003200	100yr	807.79	-4.62	-8.71	1.95	1.93	1.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR003300A	100yr	362.68	-138.56	1.64	9.07	9.07	9.07
LAR003300B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	100yr	211.39	-80.02	0.19	0.95	0.53	0.55
LAR003500	100yr	90.38	0.00	0.07	5.68	5.68	5.68
LAR003600	100yr	86.15	-2.86	0.26	5.42	5.42	5.42
LAR003700	100yr	86.14	-0.31	0.77	6.85	6.85	6.85
LAR003800 - Pipe	100yr	110.41	0.00	38.04	0.00	0.00	0.00
LAR003800 - Weir: 1	100yr	68.42	0.00	6.66	3.19	3.19	3.19
LAR003800 - Weir: 2	100yr	78.08	0.00	39.28	2.11	2.11	2.11
LAR003900	100yr	90.36	0.00	-0.05	7.19	7.19	7.19
LAR004000	100yr	70.43	0.00	-0.01	39.86	39.86	39.86
LAR004100	100yr	55.13	0.00	-0.24	4.39	4.39	4.39
LAR004200	100yr	20.49	-15.19	0.54	11.59	11.89	11.74
LAR004300A - Pipe	100yr	48.19	0.00	0.02	0.00	0.00	0.00
LAR004300A - Weir: 1	100yr	48.19	0.00	-0.02	2.87	2.87	2.87
LAR004300B	100yr	136.61	0.00	-0.17	1.95	5.07	3.21
LAR004500	100yr	0.00	-5.11	0.04	-1.00	-1.05	-1.03
LAR004600	100yr	129.95	-4.88	0.04	4.01	4.01	4.01
LAR004700 - Pipe	100yr	79.48	0.00	0.05	0.00	0.00	0.00
LAR004700 - Weir: 1	100yr	79.48	0.00	0.10	8.83	8.83	8.83
LAR004800	100yr	5.97	-4.86	-0.05	3.01	-4.30	-2.92
LAR004900	100yr	161.29	-7.68	-2.36	8.21	8.90	8.53
LAR005000	100yr	158.51	-7.67	4.85	8.07	8.47	8.07
LAR005100	100yr	154.52	-7.66	-3.51	7.87	8.98	7.89
LAR005200	100yr	49.91	-0.02	3.85	3.97	3.97	3.97
LAR005300	100yr	211.31	-0.01	-5.39	10.76	10.76	10.76
LAR005400	100yr	71.35	0.00	-22.58	2.65	2.65	2.65
LAR005500 - Pipe	100yr	133.09	0.00	-12.80	0.00	0.00	0.00
LAR005500 - Weir: 1	100yr	33.35	0.00	-0.04	2.08	2.08	2.08
LAR005500 - Weir: 2	100yr	115.50	0.00	-25.60	1.80	1.80	1.80
LAR005600	100yr	7.15	-0.77	0.01	9.11	9.11	9.11
LAR005700 - Pipe	100yr	52.59	0.00	0.01	0.00	0.00	0.00
LAR005700 - Weir: 1	100yr	52.59	0.00	0.01	3.29	3.29	3.29
LAR005800	100yr	153.11	0.00	0.25	1.51	2.64	1.78
LAR005900 -	100yr	151.79	0.00	-0.06	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Pipe							
LAR005900 - Weir: 1	100yr	151.79	0.00	-0.12	9.49	9.49	9.49
LAR006000	100yr	32.97	-29.10	0.83	3.50	3.82	3.50
LAR006100 - Pipe	100yr	68.81	0.00	-0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	100yr	68.81	0.00	-0.01	7.65	7.65	7.65
LAR006200 - Pipe	100yr	77.05	0.00	0.01	0.00	0.00	0.00
LAR006200 - Weir: 1	100yr	77.05	0.00	0.02	8.56	8.56	8.56
LAR006300	100yr	42.24	-0.24	0.04	8.61	8.61	8.61
LAR006400 - Pipe	100yr	42.21	0.00	0.01	0.00	0.00	0.00
LAR006400 - Weir: 1	100yr	42.21	0.00	-0.01	4.69	4.69	4.69
LAR006500 - Pipe	100yr	44.05	0.00	-0.03	0.00	0.00	0.00
LAR006500 - Weir: 1	100yr	44.05	0.00	-0.04	4.89	4.89	4.89
LAR006600A	100yr	29.97	0.00	0.05	1.09	1.09	1.09
LAR006600B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	100yr	63.91	-0.02	3.06	0.63	0.63	0.63
LAR006700B	100yr	0.25	-2.25	1.61	-0.09	-0.09	-0.09
LAR006700C	100yr	0.22	-56.62	-42.13	-0.05	-0.05	-0.05
LAR006800 - Pipe	100yr	78.25	0.00	0.01	0.00	0.00	0.00
LAR006800 - Weir: 1	100yr	78.25	0.00	0.01	8.69	8.69	8.69
LAR006900 - Pipe	100yr	256.61	0.00	0.23	0.00	0.00	0.00
LAR006900 - Weir: 1	100yr	62.32	0.00	-0.12	6.92	6.92	6.92
LAR006900 - Weir: 2	100yr	243.46	0.00	0.18	2.04	2.04	2.04
LAR007000	100yr	259.26	0.00	-46.04	3.69	7.44	5.21
LAR007100 - Pipe	100yr	198.68	0.00	-0.08	0.00	0.00	0.00
LAR007100 - Weir: 1	100yr	66.23	0.00	-0.06	14.72	14.72	14.72
LAR007100 - Weir: 2	100yr	132.45	0.00	-0.08	14.72	14.72	14.72
LAR007200	100yr	14.82	-0.04	-0.03	4.72	4.72	4.72
LAR007250	100yr	14.82	-0.01	0.08	4.72	4.72	4.72
LAR007300	100yr	28.30	0.00	0.01	2.72	2.72	2.72
LAR007400A	100yr	11.43	0.00	0.02	6.47	7.08	6.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR007400B	100yr	17.18	0.00	-0.01	3.05	0.81	1.91
LAR007500A	100yr	9.97	0.00	0.01	5.64	5.64	5.64
LAR007500B	100yr	22.28	0.00	-0.10	2.09	3.23	2.65
LAR007600A	100yr	129.48	0.00	-38.19	20.61	21.48	20.68
LAR007600B	100yr	126.92	0.00	0.05	3.73	3.73	3.73
LAR007700	100yr	179.15	0.00	0.06	1.25	3.90	2.52
LAR007800	100yr	44.34	0.00	-0.03	3.98	5.03	4.51
LAR007850	100yr	16.68	-17.22	-0.13	1.32	-1.08	0.78
LAR007900A	100yr	21.26	-0.25	-0.28	0.13	0.13	0.13
LAR007900B	100yr	36.18	0.00	7.60	0.36	0.36	0.36
LAR008000	100yr	192.03	0.00	-0.02	13.58	13.58	13.58
LAR008100	100yr	288.46	0.00	0.81	18.14	18.14	18.14
LAR008200	100yr	0.26	-0.58	-0.02	-0.05	-1.30	-0.65
LAR008300	100yr	0.26	-0.74	0.02	0.40	-2.35	-1.29
LAR008400A	100yr	15.25	0.00	-0.29	0.45	0.45	0.45
LAR008400B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	100yr	2.92	-17.76	-2.06	-0.65	-0.65	-0.65
LAR008500B	100yr	10.78	-0.59	0.04	0.05	0.05	0.05
LAR008600A	100yr	25.46	0.00	0.01	2.07	2.07	2.07
LAR008600B	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	100yr	8.05	-10.32	-6.33	0.77	0.77	0.77
LAR008700B	100yr	0.00	-6.88	-0.08	-0.22	-0.22	-0.22
LAR008800	100yr	17.58	0.00	0.01	1.85	1.85	1.85
LAR008900	100yr	47.10	0.00	0.00	3.15	3.15	3.15
LAR008901	100yr	49.84	-0.08	-3.79	5.18	5.18	5.18
LAR008902 - Pipe	100yr	49.85	0.00	-0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	100yr	49.85	0.00	0.01	12.46	12.46	12.46
LAR009000	100yr	37.47	0.00	0.01	2.73	2.73	2.73
LAR009100A	100yr	14.13	-10.11	-0.09	-2.52	-4.37	-3.44
LAR009100B	100yr	47.68	0.00	4.41	1.30	1.30	1.30
LAR009200	100yr	33.37	0.00	-0.03	1.28	2.03	1.55
LAR009300A	100yr	4.65	-12.27	0.78	-1.74	-1.74	-1.74
LAR009300B	100yr	101.28	-3.47	26.86	2.06	2.06	2.06
LAR009400 - Pipe	100yr	4.65	-12.31	0.02	0.00	0.00	0.00
LAR009400 - Weir: 1	100yr	4.65	-12.31	0.04	-2.49	-2.49	-2.49
LAR009600	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	100yr	40.55	-2.27	2.09	5.47	5.47	5.47
LAR009800	100yr	40.55	-2.23	3.13	5.47	5.47	5.47
LAR009900	100yr	40.54	-1.34	-0.70	5.47	5.47	5.47
LAR010000A	100yr	5.60	-5.20	0.01	1.97	-4.16	-2.99
LAR010000B	100yr	23.68	0.00	0.01	1.66	0.87	1.27
LAR010100	100yr	11.14	0.00	0.24	4.54	4.54	4.54
LAR010200	100yr	78.91	0.00	-0.02	11.16	11.50	11.33

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR010400	100yr	32.39	-0.22	-0.01	9.16	9.42	9.29
LAR010500	100yr	14.87	0.00	0.01	1.46	0.43	0.95
LAR010600	100yr	55.55	-48.06	-1.23	-0.89	0.95	0.87
LAR010700	100yr	15.15	0.00	-0.01	1.58	0.49	1.03
LAR010900	100yr	46.77	-1.32	0.09	6.62	7.36	6.98
LAR011000	100yr	30.89	-6.87	0.30	0.62	-1.74	-0.89
LAR011100	100yr	57.70	0.00	0.11	8.16	9.31	8.72
LAR011300	100yr	20.18	-12.56	0.30	6.42	6.42	6.42
LAR011500	100yr	12.73	-0.54	-0.75	0.61	0.60	0.60
LAR011550	100yr	6.07	-9.47	2.49	-0.99	-0.99	-0.99
LAR011800	100yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR011900	100yr	116.16	-11.60	-0.03	1.58	-3.14	-1.84
LAR012000	100yr	194.29	0.00	-3.45	2.49	2.73	2.61
LAR012100	100yr	19.27	0.00	0.01	1.96	0.47	1.21
LAR012200	100yr	31.36	0.00	-9.22	4.18	0.48	2.33
LAR000100	10yr	896.43	-220.16	42.27	7.00	7.72	7.00
LAR000200	10yr	552.52	-149.01	1.01	2.96	8.16	5.45
LAR000300	10yr	344.14	-135.64	2.31	2.76	2.70	2.73
LAR000400	10yr	209.39	-26.45	0.73	1.87	5.32	3.59
LAR000500	10yr	104.69	-8.33	0.07	2.47	4.97	3.46
LAR000600	10yr	304.48	-71.22	0.54	1.58	2.00	1.79
LAR000700	10yr	313.07	-9.10	0.10	2.48	3.28	2.87
LAR000800	10yr	358.56	-4.21	-0.10	2.64	2.87	2.75
LAR000900	10yr	343.17	-3.11	0.08	2.90	2.59	2.74
LAR001000	10yr	192.08	-1.95	0.17	1.21	3.09	1.66
LAR001100	10yr	166.44	-43.42	8.80	-2.94	2.31	-2.41
LAR001200	10yr	155.19	-0.57	-2.02	1.38	0.75	1.06
LAR001300	10yr	108.04	-0.46	-0.23	0.88	1.65	0.95
LAR001400	10yr	64.40	-8.26	0.22	1.12	1.58	1.07
LAR001500	10yr	26.69	-16.98	0.31	0.92	2.95	1.87
LAR001600 - Pipe	10yr	25.90	-8.17	0.03	0.00	0.00	0.00
LAR001600 - Weir: 1	10yr	17.19	-8.17	0.04	1.63	1.63	1.63
LAR001600 - Weir: 2	10yr	11.99	0.00	0.00	1.44	1.44	1.44
LAR001700	10yr	64.82	0.00	0.03	2.40	3.42	2.34
LAR001800	10yr	33.70	0.00	0.02	3.25	1.35	2.28
LAR001900 - Pipe	10yr	33.78	0.00	0.02	0.00	0.00	0.00
LAR001900 - Weir: 1	10yr	33.78	0.00	-0.01	3.75	3.75	3.75
LAR002000	10yr	218.38	-40.59	0.19	1.57	1.69	1.63
LAR002100	10yr	148.00	-8.34	0.20	1.50	-2.10	1.26
LAR002200	10yr	142.29	-4.30	0.10	2.10	-2.02	1.75
LAR002300	10yr	200.11	-2.40	-0.07	2.58	2.99	2.78
LAR002400	10yr	14.40	0.00	0.05	1.10	0.18	0.60

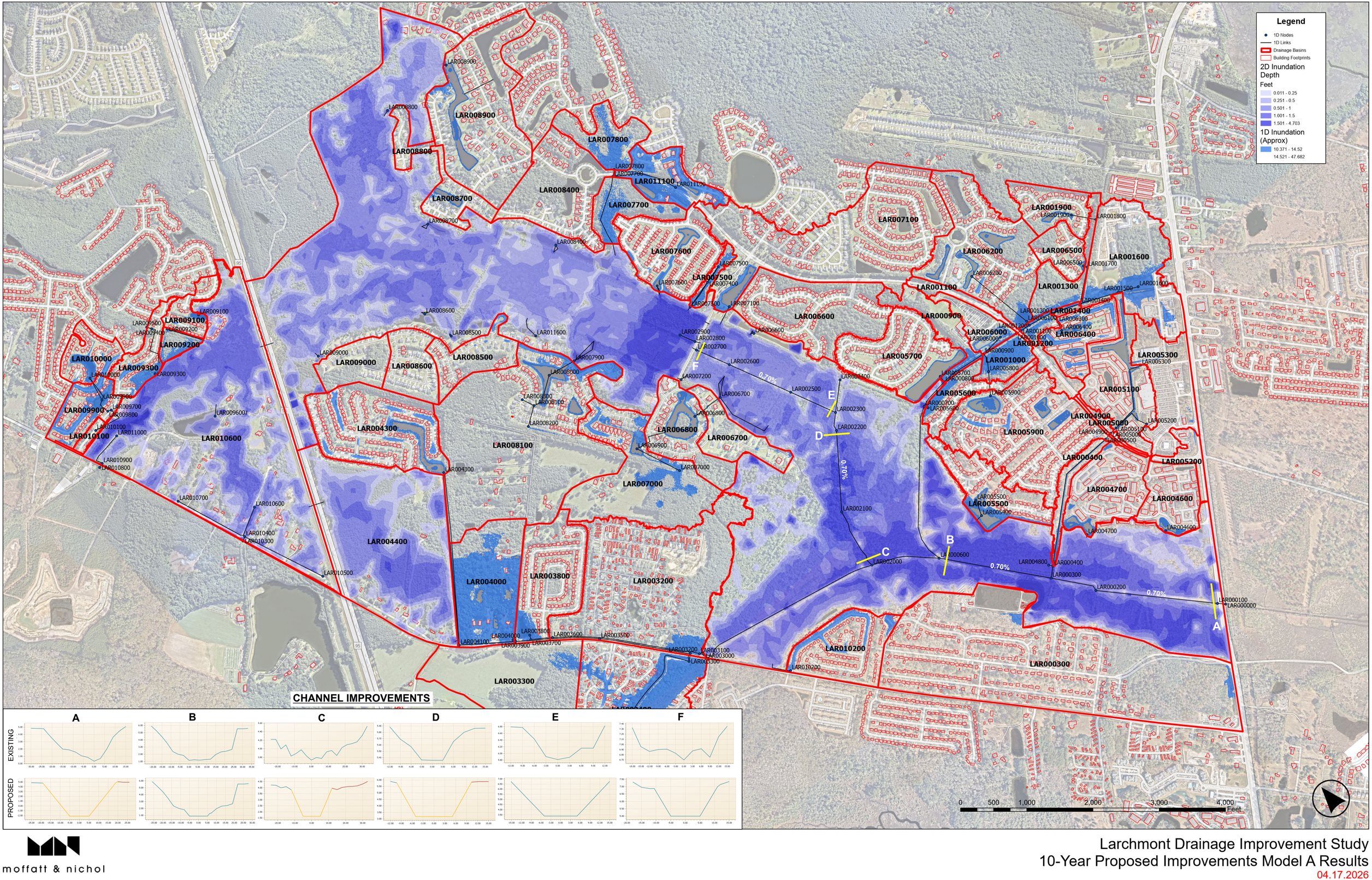
Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR002500	10yr	169.19	0.00	-0.03	2.10	2.24	2.17
LAR002600	10yr	126.13	0.00	-0.04	1.85	1.84	1.84
LAR002650	10yr	284.82	0.00	0.10	4.11	4.03	4.07
LAR002700	10yr	152.59	0.00	0.05	1.87	2.08	1.98
LAR002800	10yr	0.01	-0.25	-0.01	-0.04	-0.11	-0.06
LAR002900	10yr	61.85	0.00	0.01	1.69	3.83	2.55
LAR003000	10yr	237.97	-19.97	0.23	1.84	3.10	2.01
LAR003100A	10yr	409.24	-11.80	4.29	10.23	10.23	10.23
LAR003100B	10yr	36.79	0.00	0.01	1.62	1.62	1.62
LAR003200	10yr	442.94	-10.58	7.84	1.27	1.24	1.25
LAR003300A	10yr	209.17	-104.50	1.51	5.23	5.23	5.23
LAR003300B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR003400	10yr	122.53	-52.48	-0.20	1.02	-0.71	0.61
LAR003500	10yr	79.52	-0.19	0.14	5.00	5.00	5.00
LAR003600	10yr	66.30	-5.78	-0.06	4.17	4.17	4.17
LAR003700	10yr	66.42	-0.80	0.24	5.29	5.29	5.29
LAR003800 - Pipe	10yr	66.56	0.00	0.03	0.00	0.00	0.00
LAR003800 - Weir: 1	10yr	66.56	0.00	0.02	3.18	3.18	3.18
LAR003800 - Weir: 2	10yr	2.24	0.00	-0.01	0.95	0.95	0.95
LAR003900	10yr	79.49	0.00	0.21	6.33	6.33	6.33
LAR004000	10yr	41.98	0.00	-0.02	23.76	23.76	23.76
LAR004100	10yr	57.63	0.00	-0.50	4.59	4.59	4.59
LAR004200	10yr	20.48	-3.09	1.06	11.59	11.88	11.73
LAR004300A - Pipe	10yr	48.30	0.00	0.02	0.00	0.00	0.00
LAR004300A - Weir: 1	10yr	48.30	0.00	-0.02	2.89	2.89	2.89
LAR004300B	10yr	47.61	0.00	-0.02	1.46	4.98	3.16
LAR004500	10yr	0.00	-2.93	0.04	-0.68	-0.70	-0.69
LAR004600	10yr	69.99	-4.86	0.07	3.52	3.52	3.52
LAR004700 - Pipe	10yr	57.82	0.00	0.05	0.00	0.00	0.00
LAR004700 - Weir: 1	10yr	57.82	0.00	0.10	6.42	6.42	6.42
LAR004800	10yr	5.35	-4.59	0.05	2.90	-4.24	-2.85
LAR004900	10yr	107.38	-7.06	0.80	5.79	8.12	6.85
LAR005000	10yr	113.26	-7.06	1.73	5.96	8.47	7.21
LAR005100	10yr	133.50	-7.06	-1.68	6.80	8.98	7.89
LAR005200	10yr	28.55	-0.02	-0.81	2.27	2.27	2.27
LAR005300	10yr	123.17	-0.28	4.58	6.27	6.27	6.27
LAR005400	10yr	28.62	0.00	-1.85	2.08	2.08	2.08
LAR005500 - Pipe	10yr	32.22	0.00	0.01	0.00	0.00	0.00
LAR005500 -	10yr	32.22	0.00	0.01	2.01	2.01	2.01

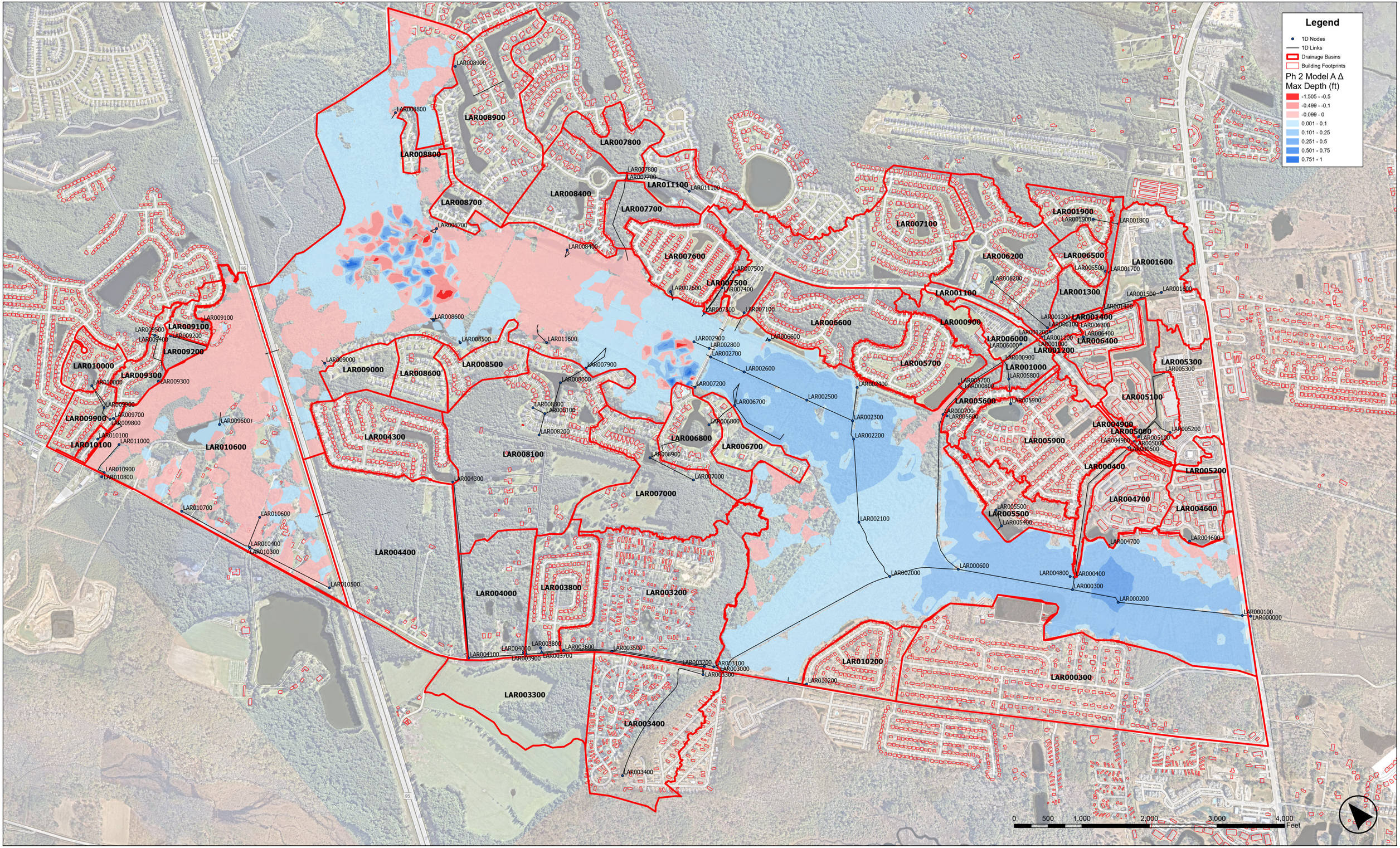
Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Weir: 1							
LAR005500 - Weir: 2	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR005600	10yr	5.39	-2.34	0.03	6.86	6.86	6.86
LAR005700 - Pipe	10yr	37.03	0.00	0.03	0.00	0.00	0.00
LAR005700 - Weir: 1	10yr	37.03	0.00	0.05	2.54	2.54	2.54
LAR005800	10yr	105.24	0.00	-0.07	1.55	2.29	1.54
LAR005900 - Pipe	10yr	105.44	0.00	0.03	0.00	0.00	0.00
LAR005900 - Weir: 1	10yr	105.44	0.00	0.05	6.59	6.59	6.59
LAR006000	10yr	17.50	-31.50	0.84	3.75	-4.33	-3.68
LAR006100 - Pipe	10yr	60.56	0.00	0.01	0.00	0.00	0.00
LAR006100 - Weir: 1	10yr	60.56	0.00	0.01	6.73	6.73	6.73
LAR006200 - Pipe	10yr	65.02	0.00	0.02	0.00	0.00	0.00
LAR006200 - Weir: 1	10yr	65.02	0.00	0.02	7.22	7.22	7.22
LAR006300	10yr	29.33	-0.24	0.17	5.97	5.97	5.97
LAR006400 - Pipe	10yr	29.33	0.00	0.01	0.00	0.00	0.00
LAR006400 - Weir: 1	10yr	29.33	0.00	-0.01	3.26	3.26	3.26
LAR006500 - Pipe	10yr	33.46	0.00	0.02	0.00	0.00	0.00
LAR006500 - Weir: 1	10yr	33.46	0.00	-0.01	3.72	3.72	3.72
LAR006600A	10yr	28.93	0.00	-0.09	1.08	1.08	1.08
LAR006600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR006700A	10yr	44.07	-0.04	4.51	0.44	0.44	0.44
LAR006700B	10yr	0.38	-2.49	1.44	-0.10	-0.10	-0.10
LAR006700C	10yr	0.40	-43.39	39.29	-0.04	-0.04	-0.04
LAR006800 - Pipe	10yr	51.86	0.00	0.01	0.00	0.00	0.00
LAR006800 - Weir: 1	10yr	51.86	0.00	-0.01	5.76	5.76	5.76
LAR006900 - Pipe	10yr	118.04	0.00	0.08	0.00	0.00	0.00
LAR006900 - Weir: 1	10yr	66.48	0.00	-0.09	7.39	7.39	7.39
LAR006900 - Weir: 2	10yr	96.80	0.00	0.10	1.62	1.62	1.62
LAR007000	10yr	154.45	0.00	-50.97	3.46	6.48	4.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR007100 - Pipe	10yr	146.00	0.00	0.03	0.00	0.00	0.00
LAR007100 - Weir: 1	10yr	49.74	0.00	0.01	11.05	11.05	11.05
LAR007100 - Weir: 2	10yr	96.27	0.00	0.02	10.70	10.70	10.70
LAR007200	10yr	0.57	-0.04	-0.11	0.18	0.18	0.18
LAR007250	10yr	0.68	0.00	0.23	0.21	0.21	0.21
LAR007300	10yr	15.69	0.00	-0.01	2.24	2.24	2.24
LAR007400A	10yr	11.19	0.00	-0.02	6.33	6.98	6.66
LAR007400B	10yr	4.75	0.00	-0.01	2.20	0.39	1.29
LAR007500A	10yr	9.65	0.00	-0.01	5.46	5.46	5.46
LAR007500B	10yr	9.77	0.00	-0.03	1.61	2.69	2.15
LAR007600A	10yr	62.71	0.00	-0.26	9.98	16.96	13.47
LAR007600B	10yr	4.97	0.00	0.01	1.51	1.51	1.51
LAR007700	10yr	98.33	0.00	0.03	0.99	3.90	2.37
LAR007800	10yr	22.25	0.00	-0.03	3.24	4.51	3.58
LAR007850	10yr	14.34	0.00	0.01	1.10	0.23	0.65
LAR007900A	10yr	13.40	-0.28	-0.61	0.13	0.13	0.13
LAR007900B	10yr	34.23	0.00	-13.97	0.34	0.34	0.34
LAR008000	10yr	117.32	0.00	0.02	8.30	8.30	8.30
LAR008100	10yr	154.18	0.00	1.50	9.69	9.69	9.69
LAR008200	10yr	0.11	-0.55	-0.02	-0.04	-1.31	-0.66
LAR008300	10yr	0.05	-0.32	0.01	0.34	-2.01	-1.07
LAR008400A	10yr	12.40	0.00	0.18	0.42	0.42	0.42
LAR008400B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008500A	10yr	1.04	-4.81	0.09	-0.65	-0.65	-0.65
LAR008500B	10yr	0.98	-0.23	0.00	0.02	0.02	0.02
LAR008600A	10yr	19.53	0.00	0.01	1.91	1.91	1.91
LAR008600B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008700A	10yr	7.00	-2.00	-0.07	0.78	0.78	0.78
LAR008700B	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR008800	10yr	9.83	0.00	-0.01	1.54	1.54	1.54
LAR008900	10yr	32.23	0.00	0.00	2.88	2.88	2.88
LAR008901	10yr	36.41	-0.06	-4.31	3.78	3.78	3.78
LAR008902 - Pipe	10yr	36.42	0.00	0.01	0.00	0.00	0.00
LAR008902 - Weir: 1	10yr	36.42	0.00	0.01	9.10	9.10	9.10
LAR009000	10yr	25.42	0.00	0.01	2.45	2.45	2.45
LAR009100A	10yr	8.20	-10.09	-0.23	-2.52	-4.37	-3.44
LAR009100B	10yr	28.77	0.00	6.58	0.78	0.78	0.78
LAR009200	10yr	17.96	0.00	-0.01	0.94	2.38	1.65
LAR009300A	10yr	0.00	-12.35	1.11	-1.75	-1.75	-1.75
LAR009300B	10yr	65.85	0.00	-0.09	1.62	1.62	1.62
LAR009400 - Pipe	10yr	0.00	-12.37	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LAR009400 - Weir: 1	10yr	0.00	-12.38	0.00	0.00	0.00	0.00
LAR009600	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR009700	10yr	23.96	-4.43	2.03	3.23	3.23	3.23
LAR009800	10yr	23.96	-4.36	-2.95	3.23	3.23	3.23
LAR009900	10yr	23.96	-4.15	0.84	3.33	3.23	3.28
LAR010000A	10yr	6.73	-5.20	0.02	2.36	-4.16	-2.99
LAR010000B	10yr	4.05	0.00	0.00	1.10	0.50	0.80
LAR010100	10yr	7.48	0.00	-0.03	3.05	3.05	3.05
LAR010200	10yr	61.31	0.00	-0.02	8.67	9.30	8.98
LAR010400	10yr	30.16	-0.68	0.01	8.53	8.77	8.65
LAR010500	10yr	13.14	-0.04	0.02	1.61	0.60	1.10
LAR010600	10yr	8.75	-20.79	-0.80	-0.48	-0.41	-0.45
LAR010700	10yr	14.42	0.00	-0.01	1.59	0.58	1.08
LAR010900	10yr	33.69	-1.63	0.07	4.81	6.70	5.50
LAR011000	10yr	19.80	-2.29	0.22	0.62	-1.76	-0.90
LAR011100	10yr	37.84	0.00	-0.10	5.35	7.59	6.45
LAR011300	10yr	11.66	-12.48	0.75	-3.97	-3.97	-3.97
LAR011500	10yr	0.46	-1.42	0.63	-0.07	-0.07	-0.07
LAR011550	10yr	1.51	-9.73	-6.67	-1.31	-1.31	-1.31
LAR011800	10yr	0.00	0.00	0.00	0.00	0.00	0.00
LAR011900	10yr	97.10	-11.59	-0.04	1.63	-3.14	-1.84
LAR012000	10yr	144.02	-0.08	-0.65	2.20	2.43	2.31
LAR012100	10yr	16.39	0.00	0.01	1.89	0.46	1.17
LAR012200	10yr	29.26	0.00	7.88	4.10	0.53	2.29

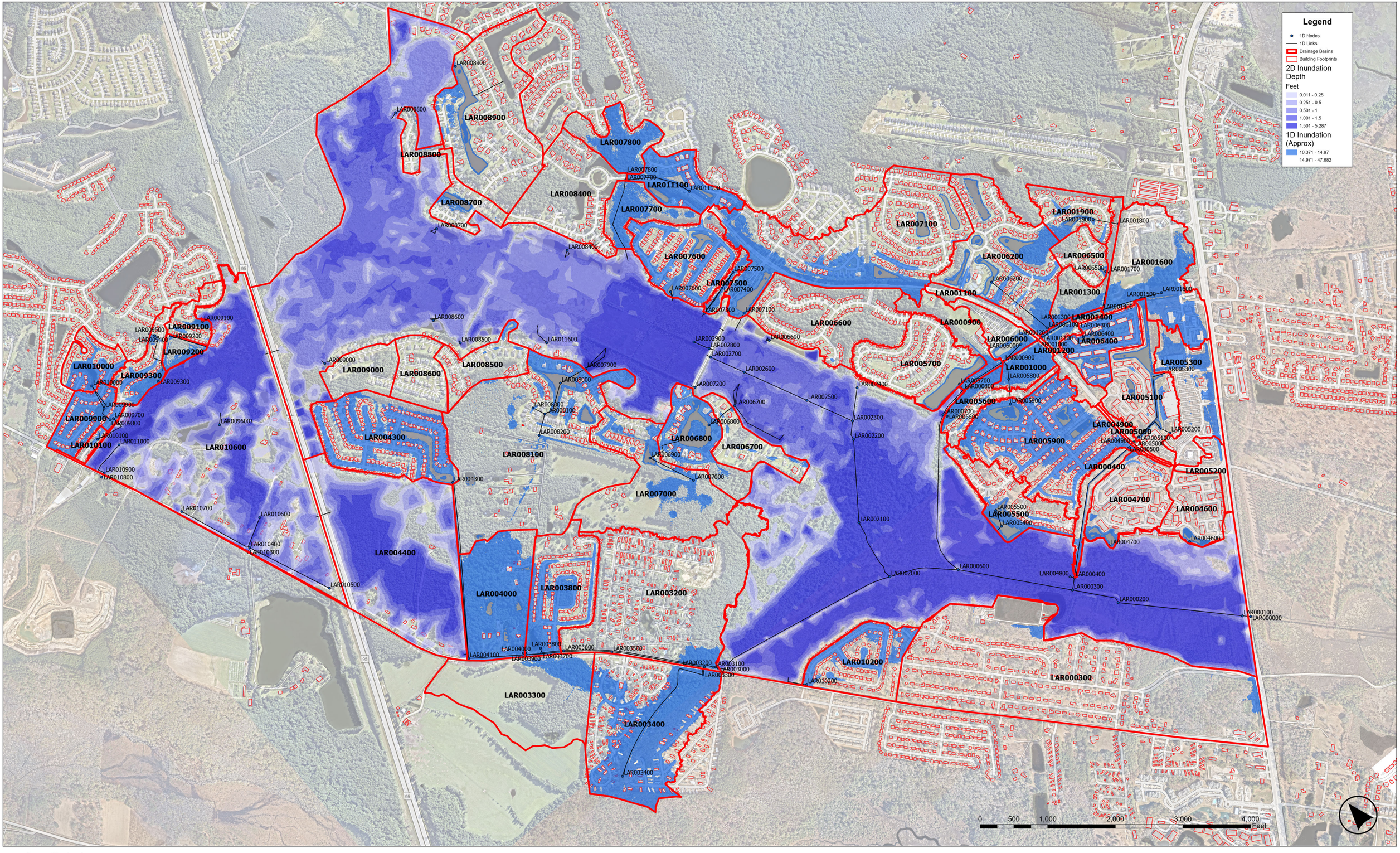
Appendix F. Proposed Improvements Models Results Maps


Legend
1D Nodes
1D Links
Drainage Basins
Building Footprints
2D Inundation Depth
Feet
0.011 - 0.25
0.251 - 0.5
0.501 - 1
1.001 - 1.5
1.501 - 4.703
1D Inundation (Approx)
10.371 - 14.52
14.521 - 47.682
LAR008900
LAR008800
LAR008700
LAR007800
LAR007700
LAR011100
LAR008400
LAR007600
LAR007500
LAR007400
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A
B
C
D
E
F
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CHANNEL IMPROVEMENTS
EXISTING
PROPOSED
0
500
1,000
2,000
3,000
4,000
Feet
moffatt & nichol
Larchmont Drainage Improvement Study
10-Year Proposed Improvements Model A Results
04.17.2026



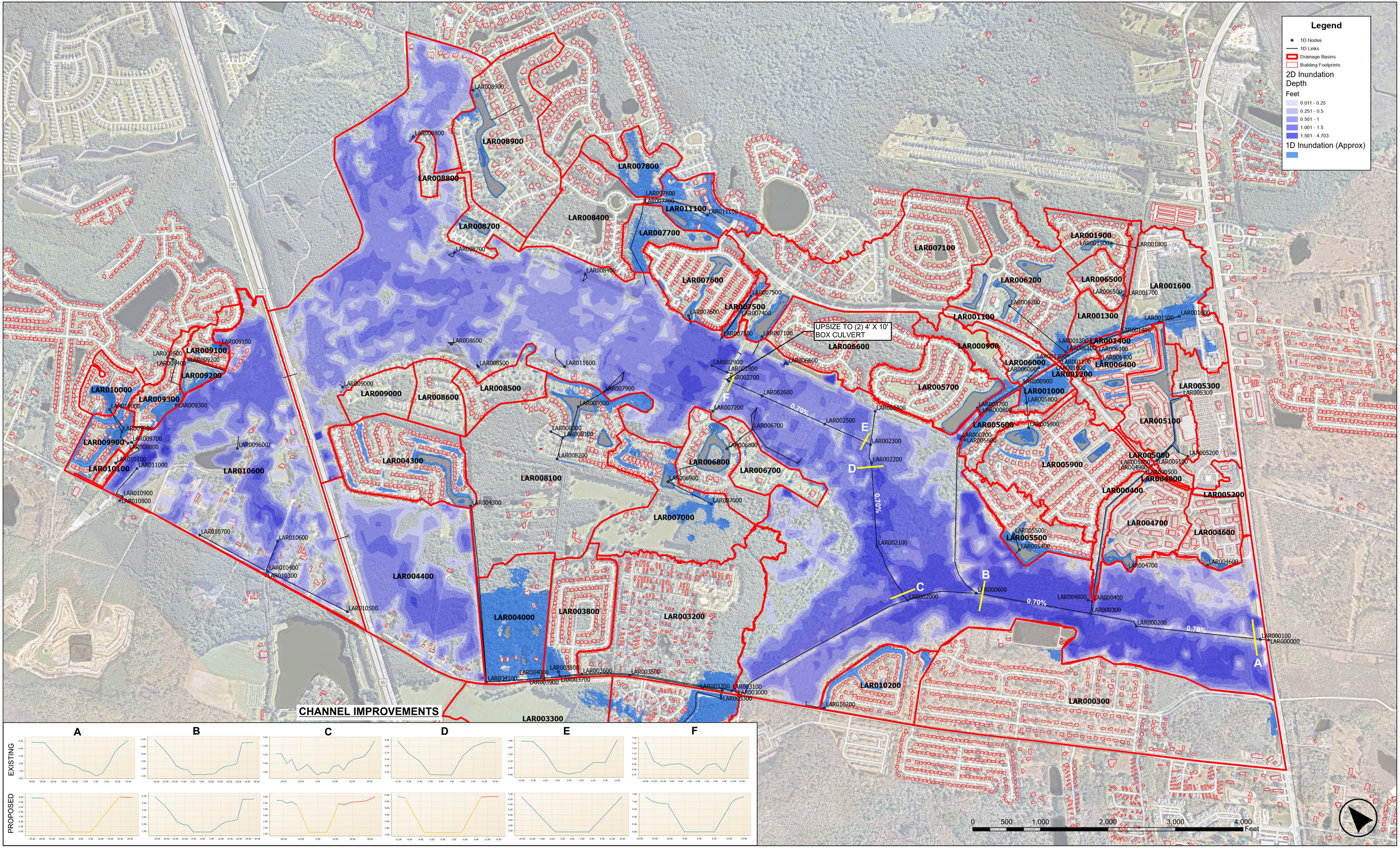
moffatt & nichol

Larchmont Drainage Improvement Study
10-Year Proposed Improvements Model Results
03.11.2026



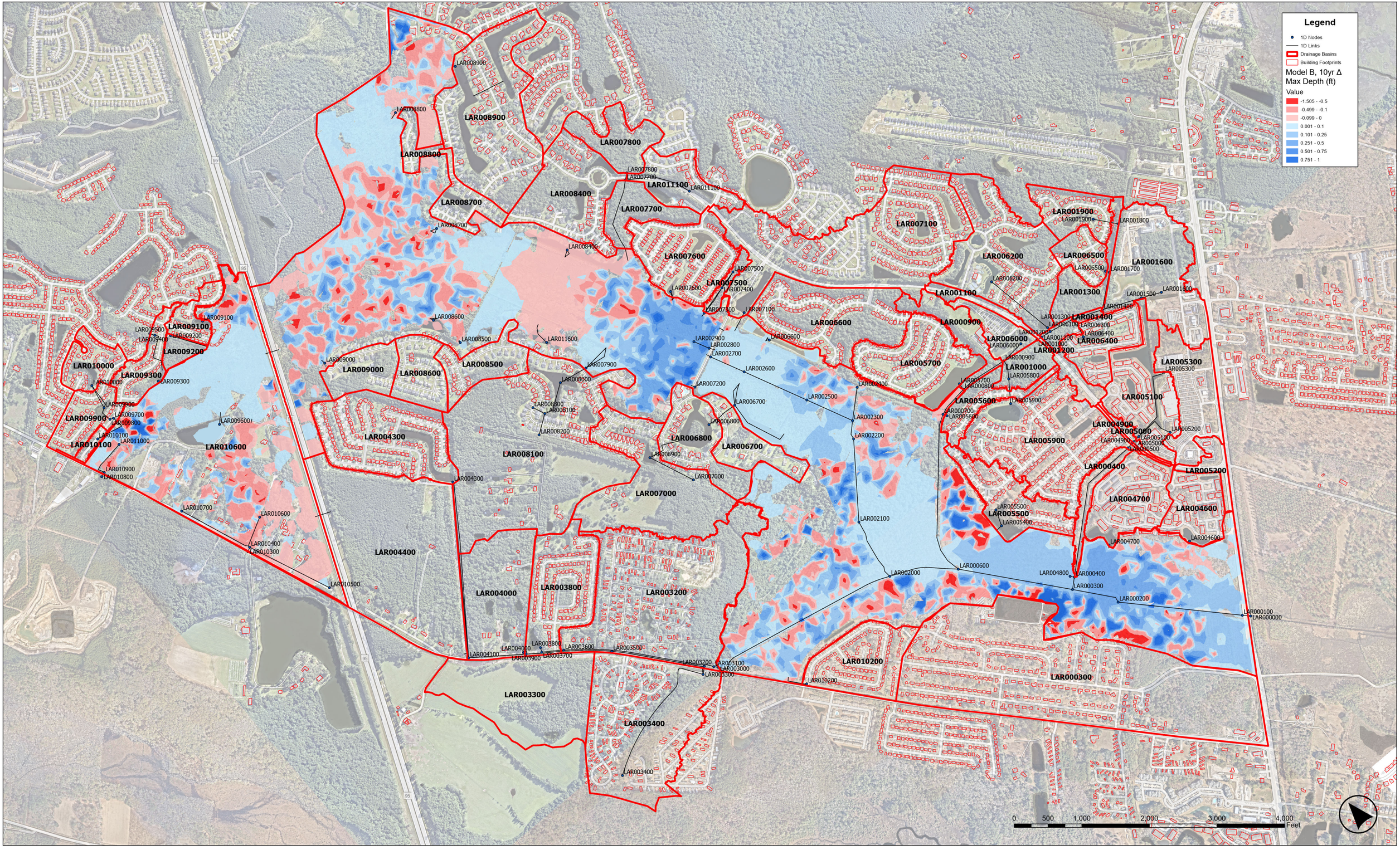
moffatt & nichol

Larchmont Drainage Improvement Study
100-Year Proposed Improvements Model A Results
04.17.2026



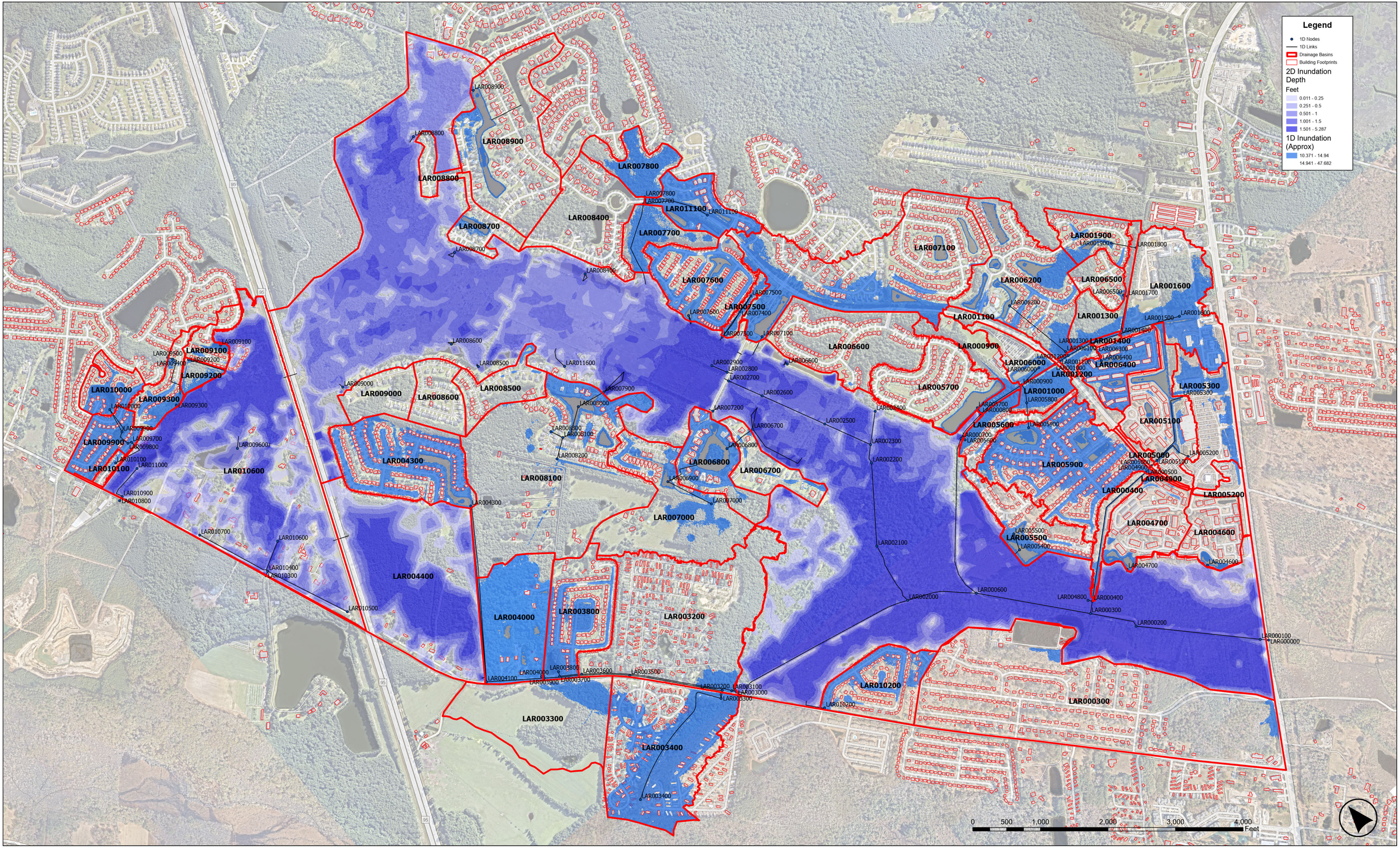
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Larchmont Drainage Improvement Study
10-Year Proposed Improvements Model B Results
04.17.2026



moffatt & nichol

Larchmont Drainage Improvement Study
10-Year Proposed Improvements Model B Results
04.27.2026

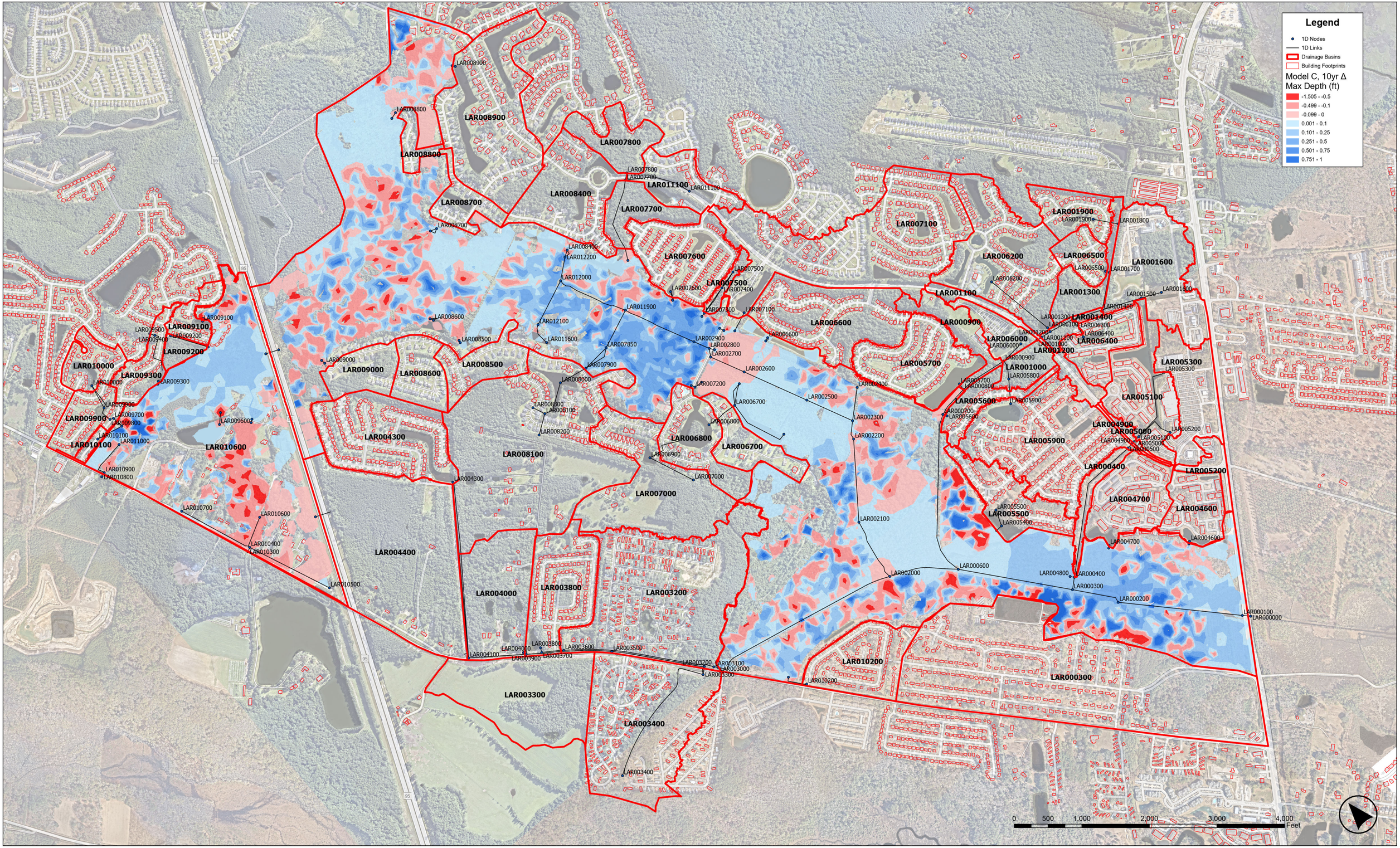


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Larchmont Drainage Improvement Study
100-Year Proposed Improvements Model B Results

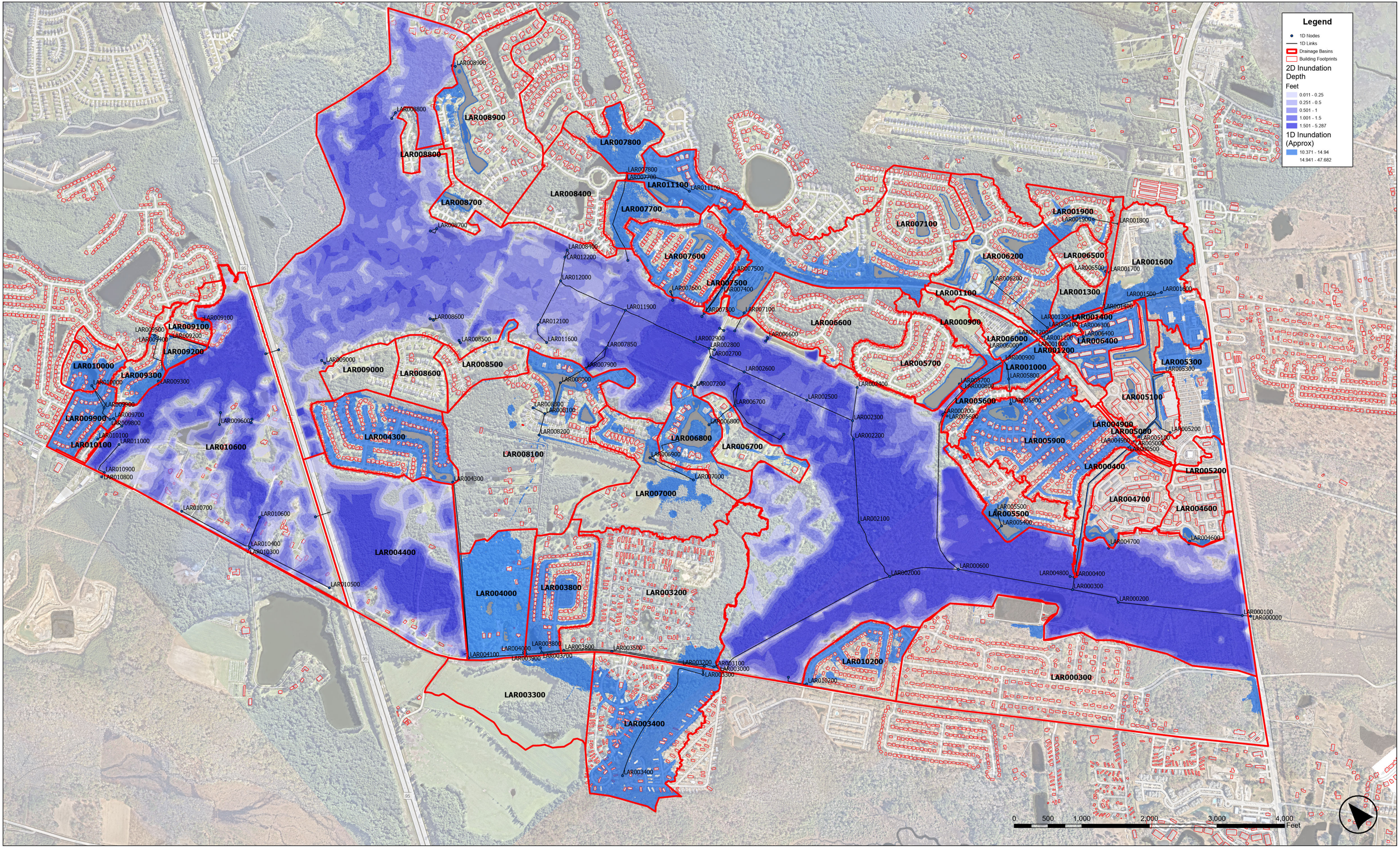
04.17.2026

Legend
1D Nodes
1D Links
Drainage Basins
Building Footprints
2D Inundation Depth
Feet
0.011 - 0.25
0.251 - 0.5
0.501 - 1
1.001 - 1.5
1.501 - 4.703
1D Inundation (Approx)
10.371 - 14.49
14.491 - 47.682
UPSIZE TO (2) 4' X 10' BOX CULVERT
CHANNEL IMPROVEMENTS
G
H
I
J
EXISTING
PROPOSED
0
500
1,000
2,000
3,000
4,000
Feet
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Larchmont Drainage Improvement Study
10-Year Proposed Improvements Model C Results
04.17.2026



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Larchmont Drainage Improvement Study
10-Year Proposed Improvements Model C Results
04.27.2026



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Larchmont Drainage Improvement Study
100-Year Proposed Improvements Model C Results
04.17.2026